



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

1 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No               | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                              | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|--------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| Permanent Facility |                                                           |                                                                                                                             |                                                                             |                                                                                   |                                                  |
| 1                  | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 5½ Digit Digital Multimeter by Direct Method                          | 0.1 mA to 200 mA                                                                  | 1.73 % to 0.43 %                                 |
| 2                  | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method                          | 1 mA to 10 mA                                                                     | 0.18 % to 0.25 %                                 |
| 3                  | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using Current Transformer and 6½ Digit Digital Multimeter by Direct Method  | 10 A to 1000 A                                                                    | 0.26 % to 0.6 %                                  |
| 4                  | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using Current Transformer with 5½ Digit Digital Multimeter by Direct Method | 10 A to 1000 A                                                                    | 0.73 % to 1.2 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

2 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 5    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method | 10 mA to 100 mA                                                                   | 0.25 % to 0.19 %                                 |
| 6    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method | 100 mA to 10 A                                                                    | 0.19 % to 0.3 %                                  |
| 7    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 5½ Digit Digital Multimeter by Direct Method | 200 mA to 10 A                                                                    | 0.43 % to 0.7 %                                  |
| 8    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method | 30 µA to 1 mA                                                                     | 0.9 % to 0.18 %                                  |
| 9    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Resistance @ 1 kHz                                                                                                       | Using LCR meter by Direct Method                   | 1 ohm to 10 kohm                                                                  | 0.43 %                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

3 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure          | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 10   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 1 kHz to 100 kHz                                                                                               | Using 6½ Digit Digital Multimeter by Direct Method      | 100 mV to 100 V                                                                   | 0.79 %                                           |
| 11   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz                                                                                                          | Using HV Probe with Digital Multimeter by Direct Method | 0.5 kV to 28 kV                                                                   | 6.2 % to 3.2 %                                   |
| 12   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz                                                                                                          | Using 5½ Digit Digital Multimeter by Direct Method      | 50 mV to 750 V                                                                    | 0.5 % to 0.3 %                                   |
| 13   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz to 1 kHz                                                                                                 | Using 6½ Digit Digital Multimeter by Direct Method      | 1 mV to 100 V                                                                     | 4.7 % to 0.1 %                                   |
| 14   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz to 1 kHz                                                                                                 | Using 6½ Digit Digital Multimeter by Direct Method      | 100 V to 1000 V                                                                   | 0.1 % to 0.12 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

4 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 15   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Capacitance @ 1 kHz                                                                                                         | Using LCR Meter by Direct Method                                      | 100 pF to 1 µF                                                                    | 0.7 % to 0.45 %                                  |
| 16   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Capacitance @ 100 Hz                                                                                                        | Using LCR Meter by Direct Method                                      | 10 µF to 100 µF                                                                   | 0.5 %                                            |
| 17   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Inductance @ 1 kHz                                                                                                          | Using LCR Meter by Direct Method                                      | 100 µH to 10 H                                                                    | 0.76 % to 0.5 %                                  |
| 18   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Power Factor @ 50 Hz                                                                                                        | Using Power Meter by Direct Method                                    | 0.3 (Lead / Lag) PF to UPF                                                        | 1.3 % to 0.6 %                                   |
| 19   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Single Phase AC Active Energy @ 50 Hz (50 V to 300 V, 20 mA to 1000 A, 0.5 PF (Lead / Lag) to UPF)                          | Using Power Meter & Single Phase Variac by Comparison / Direct Method | 100 Wh to 60 kWh                                                                  | 0.6 % to 0.94 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 5 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 20   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Single Phase AC Active Power @ 50 Hz (50 V to 300 V, 20 mA to 1000 A, 0.5 PF (Lead / Lag) to UPF)                           | Using Power Meter & Single phase Variac by Comparison / Direct Method            | 10 W to 60 kW                                                                     | 0.54 % to 0.94 %                                 |
| 21   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Three Phase AC Active Energy @ 50 Hz (50 V to 300 V, 20 mA to 1000 A, 0.5 PF (Lead / Lag) to UPF)                           | Using Three phase Power Meter & Three Phase Variac by Comparison / Direct Method | 100 Wh to 60 kWh                                                                  | 1.2 % to 1.6 %                                   |
| 22   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Three Phase AC Active Power @ 50 Hz (50 V to 300 V, 1 A to 1000 A, 0.5 PF (Lead / Lag) to UPF)                              | Using Three phase Power Meter & Three Phase Variac by Comparison / Direct Method | 75 W to 210 kW                                                                    | 1.2 % to 2.1 %                                   |
| 23   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)  | AC Current @ 50 Hz                                                                                                          | Using Multi Function Calibrator & Current Coil by Direct Method                  | 20 A to 1000 A                                                                    | 0.18 % to 0.4 %                                  |
| 24   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)  | AC Current @ 50 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method                                 | 3 A to 20 A                                                                       | 0.2 % to 0.3 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

6 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                       | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 25   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Current @ 50 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 30 $\mu$ A to 330 mA                                                              | 0.6 % to 0.06 %                                  |
| 26   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Current @ 50 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 330 mA to 3 A                                                                     | 0.06 % to 0.2 %                                  |
| 27   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Voltage @ 1 kHz to 100 kHz                                                                                               | Using Multi Function Calibrator by Direct Method | 10 mV to 100 V                                                                    | 0.8 % to 0.33 %                                  |
| 28   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Voltage @ 45 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 1 mV to 330 mV                                                                    | 2.5 % to 0.06 %                                  |
| 29   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Voltage @ 45 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 330 mV to 1000 V                                                                  | 0.06 % to 0.1 %                                  |
| 30   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | Capacitance @ 1 kHz                                                                                                         | Using Multi Function Calibrator by Direct Method | 0.5 nF to 1 $\mu$ F                                                               | 2.9 % to 0.42 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 7 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                       | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 31   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | Capacitance @ 100 Hz                                                                                                        | Using Multi Function Calibrator by Direct Method   | 1 $\mu$ F to 100 $\mu$ F                                                          | 0.42 % to 0.66 %                                       |
| 32   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | Power Factor @ 50 Hz (50 V to 1000 V, 0.1 A to 1000 A)                                                                      | Using Multi Function Calibrator by Direct Method   | 0.2 (Lead / Lag) PF to UPF                                                        | 1.5 % to 0.1 %                                         |
| 33   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | Single Phase AC Active Power @ 50 Hz (10 V to 600 V, 0.1 A to 20 A, 0.5 PF (Lead / Lag) to UPF)                             | Using Multi Function Calibrator by Direct Method   | 1 W to 12 kW                                                                      | 0.54 % to 0.2 %                                        |
| 34   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)               | DC Capacitance                                                                                                              | Using 6½ Digit Digital Multimeter by Direct Method | 1 nF to 100 $\mu$ F                                                               | 5 % to 1.78 %                                          |
| 35   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)               | DC Capacitance                                                                                                              | Using 6½ Digit Digital Multimeter by Direct Method | 100 $\mu$ F to 10 mF                                                              | 1.78 % to 2 %                                          |
| 36   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)               | DC Current                                                                                                                  | Using 5½ Digit Digital Multimeter by Direct Method | 1 $\mu$ A to 2 mA                                                                 | 2.63 % to 0.045 %                                      |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

8 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument | Calibration or Measurement Method or procedure               | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 37   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method           | 1 µA to 400 mA                                                                    | 3.8 % to 0.07 %                                  |
| 38   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using Shunt and 5½ Digit Digital Multimeter by Direct Method | 10 A to 100 A                                                                     | 0.3 % to 1.1 %                                   |
| 39   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using Shunt and 5½ Digit Digital Multimeter by Direct Method | 100 A to 400 A                                                                    | 1.1 % to 2.7 %                                   |
| 40   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method           | 2 mA to 10 A                                                                      | 0.045 % to 0.26 %                                |
| 41   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method           | 400 mA to 10 A                                                                    | 0.07 % to 0.19 %                                 |
| 42   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC High Voltage                                                                                                              | Using HV Probe with Digital Multimeter by Direct Method      | 0.5 kV to 40 kV                                                                   | 4.0 % to 2.3 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20, PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 9 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 43   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (2 wire)                                                                                                      | Using 6½ Digit Digital Multimeter by Direct Method                 | 10 kohm to 1000 Mohm                                                              | 0.03 % to 3.0 %                                  |
| 44   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (2 wire)                                                                                                      | Using 5½ Digit Digital Multimeter by Direct Method                 | 2 kohm to 100 Mohm                                                                | 0.1 % to 2.1 %                                   |
| 45   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (4 wire)                                                                                                      | Using Current Source and 6½ Digit Digital Multimeter by V/I Method | 1 mohm to 10 ohm                                                                  | 1.63 % to 0.06 %                                 |
| 46   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (4 wire)                                                                                                      | Using 5½ Digit Digital Multimeter by Direct Method                 | 1 ohm to 2 kohm                                                                   | 1.5 % to 0.1 %                                   |
| 47   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (4 wire)                                                                                                      | Using 6½ Digit Digital Multimeter by Direct Method                 | 10 ohm to 10 kohm                                                                 | 0.06 % to 0.03 %                                 |
| 48   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                  | Using 6½ Digit Digital Multimeter by Direct Method                 | 0.1 mV to 10 V                                                                    | 4.1 % to 0.004 %                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 10 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 49   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method | 1 mV to 220 mV                                                                    | 1.22 % to 0.06 %                                 |
| 50   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method | 10 V to 1000 V                                                                    | 0.004 % to 0.007 %                               |
| 51   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method | 220 mV to 1000 V                                                                  | 0.06 % to 0.02 %                                 |
| 52   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 1000 V                                                                                            | Using Digital Insulation Tester by Direct Method   | 10 Mohm to 40 Gohm                                                                | 1.4 % to 2.4 %                                   |
| 53   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 2500 V                                                                                            | Using Digital Insulation Tester by Direct Method   | 100 Mohm to 100 Gohm                                                              | 1.6 % to 2.8 %                                   |
| 54   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 5 kV                                                                                              | Using Digital Insulation Tester by Direct Method   | 100 Mohm to 1000 Gohm                                                             | 1.6 % to 2.8 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 11 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 55   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 50 V to 1 kV                                                                                     | Using Voltage Source and 5½ Digit Digital Multimeter by V/I Method | 0.2 Mohm to 100 Mohm                                                              | 0.12 % to 0.59 %                                 |
| 56   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 500 V                                                                                            | Using Digital Insulation Tester by Direct Method                   | 10 Mohm to 10 Gohm                                                                | 1.4 % to 2.4 %                                   |
| 57   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Current                                                                                                                  | Using Multi Function Calibrator by Direct Method                   | 1 µA to 330 mA                                                                    | 2.5 % to 0.013 %                                 |
| 58   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Current                                                                                                                  | Using Multi Function Calibrator & Current Coil by Direct Method    | 20 A to 1000 A                                                                    | 0.12 % to 1.4 %                                  |
| 59   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Current                                                                                                                  | Using Multi Function Calibrator by Direct Method                   | 330 mA to 20 A                                                                    | 0.013 % to 0.12 %                                |
| 60   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Power (10 V to 1000 V, 20 A to 1000 A)                                                                                   | Using Multi Function Calibrator & Current Coil by Direct Method    | 20 kW to 1 MW                                                                     | 0.13 % to 0.66 %                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 12 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 61   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Power (10 V to 1000 V, 0.1 A to 20 A)                                                                                    | Using Multi Function Calibrator by Direct Method | 1 W to 20 kW                                                                      | 0.06 % to 0.13 %                                 |
| 62   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (2 wire)                                                                                                      | Using Resistance Box by Direct Method            | 100 kohm to 100 Mohm                                                              | 0.065 % to 3.4 %                                 |
| 63   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (2 wire)                                                                                                      | Using Multi Function Calibrator by Direct Method | 100 kohm to 33 Mohm                                                               | 0.013 % to 0.13 %                                |
| 64   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (2 wire)                                                                                                      | Using Multi Function Calibrator by Direct Method | 33 Mohm to 1000 Mohm                                                              | 0.13 % to 1.8 %                                  |
| 65   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (4 wire)                                                                                                      | Using Multi Function Calibrator by Direct Method | 1 ohm to 100 kohm                                                                 | 0.022 % to 0.015 %                               |
| 66   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (4 wire)                                                                                                      | Using Resistance Box by Direct Method            | 10 mohm to 100 kohm                                                               | 6 % to 0.065 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

13 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                               | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                  | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 67   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | DC Voltage                                                                                                                  | Using Multi Function Calibrator by Direct Method                                | 0.1 mV to 330 mV                                                                  | 3.6 % to 0.008 %                                       |
| 68   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | DC Voltage                                                                                                                  | Using Multi Function Calibrator by Direct Method                                | 330 mV to 1000 V                                                                  | 0.008 % to 0.007 %                                     |
| 69   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | High Resistance (2 wire) @ 2.5 kV                                                                                           | Using High Resistance Box by Direct Method                                      | 100 Mohm to 100 Gohm                                                              | 1.8 % to 3.2 %                                         |
| 70   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | High Resistance (2 wire) @ 5 kV                                                                                             | Using High Resistance Box by Direct Method                                      | 100 Mohm to 1000 Gohm                                                             | 1.8 % to 6.5 %                                         |
| 71   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | High Resistance (2 wire) @ 500 V & 1000 V                                                                                   | Using High Resistance Box by Direct Method                                      | 10 Mohm to 10 Gohm                                                                | 1.7 % to 2.7 %                                         |
| 72   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure) | Turn Ratio                                                                                                                  | Using 6½ Digit Digital Multimeter and 5½ Digit Digital Multimeter by V/V Method | 1 to 300                                                                          | 0.15 % to 0.42 %                                       |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 14 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                              | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 73   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Conductivity Meter (1 Mohm to 20 ohm)                                                                                       | Using Resistance Source by Simulation Method     | 1 $\mu$ S to 50 mS                                                                | 1.1 % to 0.6 %                                   |
| 74   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | ORP meter                                                                                                                   | Using mV Source by Simulation Method             | 10 mV to 2000 mV                                                                  | 6 % to 0.2 %                                     |
| 75   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Bandwidth                                                                                                    | Using Multi Function Calibrator by Direct Method | 50 kHz to 350 MHz                                                                 | 4.04 % to 6.2 %                                  |
| 76   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Time Base                                                                                                    | Using Multi Function Calibrator by Direct Method | 5 ns to 1 s                                                                       | 0.012 % to 0.12 %                                |
| 77   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Vertical Deflection (DC)                                                                                     | Using Multi Function Calibrator by Direct Method | 2 mV to 30 V                                                                      | 4.1 % to 0.34 %                                  |
| 78   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Vertical Deflection (Sine Wave @ 1 kHz)                                                                      | Using Multi Function Calibrator by Direct Method | 2 mV <sub>p-p</sub> to 50 V <sub>p-p</sub>                                        | 4.1 % to 3.5 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 15 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                 | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 79   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)    | Oscilloscope - Vertical Deflection (Square Wave @ 1 kHz)                                                                    | Using Multi Function Calibrator by Direct Method   | 2 mV <sub>p-p</sub> to 50 V <sub>p-p</sub>                                        | 4.2 % to 3.5 %                                   |
| 80   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)    | pH meter @ 400 mV to (-) 400 mV                                                                                             | Using mV Source by Simulation Method               | 0 pH to 14 pH                                                                     | 0.2 %                                            |
| 81   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | B Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | 600 °C to 1800 °C                                                                 | 0.5 °C                                           |
| 82   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | E Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1000 °C                                                             | 0.2 °C                                           |
| 83   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | J Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1200 °C                                                             | 0.2 °C                                           |
| 84   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | K Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1370 °C                                                             | 0.2 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 16 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                 | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 85   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | N Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1300 °C                                                             | 0.3 °C                                                 |
| 86   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | R Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | 0 °C to 1700 °C                                                                   | 0.5 °C                                                 |
| 87   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | RTD (Pt-100)                                                                                                                | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 800 °C                                                              | 0.3 °C                                                 |
| 88   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | S Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | 0 °C to 1700 °C                                                                   | 0.5 °C                                                 |
| 89   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | T Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 400 °C                                                              | 0.2 °C                                                 |
| 90   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)  | B Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method   | 600 °C to 1800 °C                                                                 | 0.59 °C                                                |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 17 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 91   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | E Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1000 °C                                                             | 0.6 °C                                                 |
| 92   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | J Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1200 °C                                                             | 0.32 °C                                                |
| 93   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | J Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 1200 °C                                                             | 1.9 °C                                                 |
| 94   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | K Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1350 °C                                                             | 0.5 °C                                                 |
| 95   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | K Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 1370 °C                                                             | 2 °C                                                   |
| 96   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | N Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1300 °C                                                             | 0.5 °C                                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 18 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 97   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | N Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 1300 °C                                                             | 2 °C                                                   |
| 98   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | R Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | 0 °C to 1700 °C                                                                   | 0.66 °C                                                |
| 99   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | R Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | 0 °C to 1700 °C                                                                   | 3.4 °C                                                 |
| 100  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | RTD (PT-100)                                                                                                                | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 800 °C                                                              | 0.3 °C                                                 |
| 101  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | RTD (PT-100)                                                                                                                | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 800 °C                                                              | 1.2 °C                                                 |
| 102  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | S Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | 0 °C to 1700 °C                                                                   | 0.53 °C                                                |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

19 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 103  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | S Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method      | 0 °C to 1700 °C                                                                   | 3.4 °C                                                 |
| 104  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | T Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method   | (-) 200 °C to 400 °C                                                              | 0.7 °C                                                 |
| 105  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | T Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method      | (-) 200 °C to 400 °C                                                              | 1.4 °C                                                 |
| 106  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)      | Frequency                                                                                                                   | Using Frequency Counter by Direct Method           | 1 MHz to 350 MHz                                                                  | 0.012 % to 0.0031 %                                    |
| 107  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)      | Frequency                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method | 10 Hz to 1 MHz                                                                    | 0.04 % to 0.012 %                                      |
| 108  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)      | Frequency                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method | 20 Hz to 1 MHz                                                                    | 0.4 % to 0.04 %                                        |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

20 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                           | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                  | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 109  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure) | Time                                                                                                                        | Using Frequency Source & Frequency Counter by Comparison Method | 10 ms to 24 hr                                                                    | 0.58 ms to 2.5 s                                 |
| 110  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure) | Time                                                                                                                        | Using Time Interval Meter by Comparison Method                  | 100 ms to 10 hr                                                                   | 6 ms to 20.7 s                                   |
| 111  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure) | Time Interval                                                                                                               | Using Digital Storage Oscilloscope by Direct Method             | 5 ms to 1 s                                                                       | 0.58 ms to 2.12 ms                               |
| 112  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)  | Frequency                                                                                                                   | Using Multi Function Calibrator by Direct Method                | 1 MHz to 350 MHz                                                                  | 0.002 %                                          |
| 113  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)  | Frequency                                                                                                                   | Using Multi Function Calibrator by Direct Method                | 10 Hz to 1 MHz                                                                    | 0.013 % to 0.002 %                               |
| 114  | FLUID FLOW-FLOW MEASURING DEVICES            | Volume Flow (Liquid/ Water)                                                                                                 | Using Ultrasonic Flow Meter (Clamp on) by Comparison Method     | 1.2 m <sup>3</sup> to 10 m <sup>3</sup>                                           | 1.5 %                                            |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 21 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                          | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                            | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 115  | FLUID FLOW-<br>FLOW<br>MEASURING<br>DEVICES | Volume Flow rate<br>(Liquid/ Water)                                                                                         | Using Ultrasonic<br>Flow Meter (Clamp<br>on) by Comparison<br>Method                                      | 0.7 m <sup>3</sup> /h to 9 m <sup>3</sup> /h                                      | 1.5 %                                            |
| 116  | MECHANICAL-<br>ACCELERATION<br>AND SPEED    | Accelerometer<br>Sensitivity @ 5 Hz to<br>5000 Hz                                                                           | Using Reference<br>Accelerometer,<br>DMM, Oscilloscope<br>and Vibration Source<br>by Comparison<br>Method | 1 g                                                                               | 4.1 %                                            |
| 117  | MECHANICAL-<br>ACCELERATION<br>AND SPEED    | RPM Indicator with<br>Sensor of<br>Centrifuge, RPM<br>Indicator with<br>Sensor of Motor<br>(Non-Contact type)               | Using Tachometer<br>by Comparison<br>Method                                                               | > 500 rpm to 16500<br>rpm                                                         | 0.53 %                                           |
| 118  | MECHANICAL-<br>ACCELERATION<br>AND SPEED    | RPM Indicator with<br>Sensor of<br>Centrifuge, RPM<br>Indicator with<br>Sensor of Motor<br>(Non-Contact type)               | Using Tachometer<br>by Comparison<br>Method                                                               | 12 rpm to 500 rpm                                                                 | 2.6 %                                            |
| 119  | MECHANICAL-<br>ACCELERATION<br>AND SPEED    | Shock / Bump Test<br>Machine / Vibration<br>Shaker - Shock<br>Calibration @ Pulse<br>Width 0.2 ms to 20<br>ms               | Using Reference<br>Accelerometer, DMM<br>and Oscilloscope by<br>Comparison Method                         | 2 g (pk) to 40 g (pk)                                                             | 5.2 %                                            |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 22 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                             | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 120  | MECHANICAL-ACCELERATION AND SPEED | Tachometer (Contact type)                                                                                                   | Using Tachometer and Variable Rotational Speed Source by Comparison Method | > 100 rpm to 500 rpm                                                              | 0.5 %                                            |
| 121  | MECHANICAL-ACCELERATION AND SPEED | Tachometer (Contact type)                                                                                                   | Using Tachometer and Variable Rotational Speed Source by Comparison Method | > 10000 rpm to 15000 rpm                                                          | 0.14 %                                           |
| 122  | MECHANICAL-ACCELERATION AND SPEED | Tachometer (Contact type)                                                                                                   | Using Tachometer and Variable Rotational Speed Source by Comparison Method | > 500 rpm to 10000 rpm                                                            | 0.32 %                                           |
| 123  | MECHANICAL-ACCELERATION AND SPEED | Tachometer (Contact type)                                                                                                   | Using Tachometer and Variable Rotational Speed Source by Comparison Method | 12 rpm to 100 rpm                                                                 | 2.6 %                                            |
| 124  | MECHANICAL-ACCELERATION AND SPEED | Tachometer, Stroboscope (Non-Contact type)                                                                                  | Using Tachometer and Variable RPM Source by Comparison Method              | > 100 rpm to 500 rpm                                                              | 0.5 %                                            |
| 125  | MECHANICAL-ACCELERATION AND SPEED | Tachometer, Stroboscope (Non-Contact type)                                                                                  | Using Tachometer and Variable RPM Source by Comparison Method              | > 10000 rpm to 90000 rpm                                                          | 0.14 %                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 23 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                             | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 126  | MECHANICAL-ACCELERATION AND SPEED | Tachometer, Stroboscope (Non-Contact type)                                                                                  | Using Tachometer and Variable RPM Source by Comparison Method                              | > 500 rpm to 10000 rpm                                                            | 0.32 %                                           |
| 127  | MECHANICAL-ACCELERATION AND SPEED | Tachometer, Stroboscope (Non-Contact type)                                                                                  | Using Tachometer and Variable RPM Source by Comparison Method                              | 12 rpm to 100 rpm                                                                 | 2.6 %                                            |
| 128  | MECHANICAL-ACCELERATION AND SPEED | Vibration Machine - Acceleration @ 5 Hz to 5000 Hz                                                                          | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method                   | 9.81 m/s <sup>2</sup> to 400 m/s <sup>2</sup>                                     | 4.54 %                                           |
| 129  | MECHANICAL-ACCELERATION AND SPEED | Vibration Machine - Displacement @ 5 Hz to 1000 Hz                                                                          | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method                   | 0.024 mm to 3.8 mm                                                                | 4.67 %                                           |
| 130  | MECHANICAL-ACCELERATION AND SPEED | Vibration Machine - Velocity @ 5 Hz to 5000 Hz                                                                              | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method                   | 2.54 mm/s to 400 mm/s                                                             | 3.67 %                                           |
| 131  | MECHANICAL-ACCELERATION AND SPEED | Vibration Meter - Acceleration @ 5 Hz to 5000 Hz                                                                            | Using Reference Accelerometer, DMM, Oscilloscope and Vibration Source by Comparison Method | 9.81 m/s <sup>2</sup> to 400 m/s <sup>2</sup>                                     | 4.53 %                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 24 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                             | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 132  | MECHANICAL-ACCELERATION AND SPEED                             | Vibration Meter - Displacement @ 5 Hz to 1000 Hz                                                                            | Using Reference Accelerometer, DMM, Oscilloscope and Vibration Source by Comparison Method | 0.024 mm to 3.8 mm                                                                | 4.49 %                                           |
| 133  | MECHANICAL-ACCELERATION AND SPEED                             | Vibration Meter - Velocity @ 5 Hz to 5000 Hz                                                                                | Using Reference Accelerometer, DMM, Oscilloscope and Vibration Source by Comparison Method | 2.54 mm/s to 400 mm/s                                                             | 3.94 %                                           |
| 134  | MECHANICAL-ACOUSTICS                                          | Sound Level Meter @ 1 kHz                                                                                                   | Using Sound Level Calibrator by Comparison Method                                          | 114 dB                                                                            | 0.6 dB                                           |
| 135  | MECHANICAL-ACOUSTICS                                          | Sound Level Meter @ 1 kHz                                                                                                   | Using Sound Level Calibrator by Comparison Method                                          | 94 dB                                                                             | 0.6 dB                                           |
| 136  | MECHANICAL-DENSITY AND VISCOSITY                              | Ford Cup / Flow Cup / Viscosity Cup @ 25 °C                                                                                 | Using Standard Liquid of known Kinematic Viscosity and Stop Watch by Comparison Method     | 25 cSt to 86.35 cSt                                                               | 1.31 %                                           |
| 137  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Bevel / Angle Protractor / Combination Set (L.C.: 0.01°)                                                                    | Using Angle Gauge by Direct Method                                                         | 0° to 180°                                                                        | 43 Arc of Seconds                                |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 25 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure    | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 138  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Coating Thickness Gauge (L.C.: 0.001 mm)                                                                                    | Using Standard Thickness Foils by Direct Method   | 0.01 mm to 0.68 mm                                                                | 0.0016 mm                                        |
| 139  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Depth Caliper, Depth Gauge (L.C.: 0.01 mm)                                                                                  | Using Slip Gauge by Direct Method                 | 0 to 200 mm                                                                       | 0.009 mm                                         |
| 140  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Depth Micrometer (L.C.: 0.01 mm)                                                                                            | Using Slip Gauge by Direct Method                 | 0 to 200 mm                                                                       | 0.0083 mm                                        |
| 141  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Dial Gauge, Dial Indicator - Lever type (L.C.: 0.001 mm)                                                                    | Using Slip Gauge with Comparator by Direct Method | 0 to 1 mm                                                                         | 0.001 mm                                         |
| 142  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Dial Gauge, Dial Indicator - Plunger type (L.C.: 0.001 mm)                                                                  | Using Slip Gauge with Comparator by Direct Method | 0 to 20 mm                                                                        | 0.001 mm                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

26 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±)       |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 143  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | External Micrometer (L.C.: 0.001 mm)                                                                                        | Using Slip Gauge by Direct Method              | > 25 mm to 100 mm                                                                 | 0.003 mm                                               |
| 144  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | External Micrometer (L.C.: 0.001 mm)                                                                                        | Using Slip Gauge by Direct Method              | 0 to 25 mm                                                                        | 0.0011 mm                                              |
| 145  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | External Micrometer (L.C.: 0.01 mm)                                                                                         | Using Slip Gauge by Direct Method              | 100 mm to 200 mm                                                                  | 0.013 mm                                               |
| 146  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Filler Gauge                                                                                                                | Using Dial Indicator by Comparison Method      | 0.01 mm to 1 mm                                                                   | 0.001 mm                                               |
| 147  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Granite / Cast Iron / Steel Surface Plate                                                                                   | Using Electronic Level by Direct Method        | Up to 6000 mm x 4000 mm                                                           | $1.7 \sqrt{(L+W)/150} \mu\text{m}$ , where L & W in mm |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

27 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 148  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Height Gauge (L.C.: 0.01 mm)                                                                                                | Using Slip Gauge, Caliper Checker & Surface Plate by Direct Method | > 300 mm to 600 mm                                                                | 0.013 mm                                         |
| 149  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Height Gauge (L.C.: 0.01 mm)                                                                                                | Using Slip Gauge, Caliper Checker & Surface Plate by Direct Method | 0 to 300 mm                                                                       | 0.0095 mm                                        |
| 150  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Internal Micrometer (L.C.: 0.001 mm)                                                                                        | Using Slip Gauge & Accessories by Direct Method                    | > 100 mm to 150 mm                                                                | 0.004 mm                                         |
| 151  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Internal Micrometer (L.C.: 0.001 mm)                                                                                        | Using Slip Gauge & Accessories by Direct Method                    | > 63 mm to 100 mm                                                                 | 0.003 mm                                         |
| 152  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Internal Micrometer (L.C.: 0.001 mm)                                                                                        | Using Slip Gauge & Accessories by Direct Method                    | 50 mm to 63 mm                                                                    | 0.001 mm                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 28 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                               | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 153  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Measuring Pin Gauge                                                                                                         | Using Slip Gauge with Dial Indicator & Comparator stand by Comparison Method | 0.1 mm to 20 mm                                                                   | 0.0015 mm                                        |
| 154  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Measuring Scale (L.C.: 0.5 mm)                                                                                              | Using Scale and Tape Calibrator by Direct Method                             | 0 to 1000 mm                                                                      | 0.075 mm                                         |
| 155  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Measuring Tape (L.C.: 1 mm)                                                                                                 | Using Scale and Tape Calibrator by Direct Method                             | 0 to 30 m                                                                         | 0.075*sqrt (L) mm, Where L (L > 1 m) in m        |
| 156  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Plain Plug Gauge                                                                                                            | Using Slip Gauge with Dial Indicator & Comparator stand by Comparison Method | 1 mm to 100 mm                                                                    | 0.0035 mm                                        |
| 157  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Radius Gauge                                                                                                                | Using Profile Projector by Comparison Method                                 | 0.5 mm to 35 mm                                                                   | 0.05 mm                                          |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 29 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                  | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 158  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Snap Gauge                                                                                                                  | Using Slip Gauge by Direct Method                                               | 1 mm to 150 mm                                                                    | 0.004 mm                                         |
| 159  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Spirit Level (Sensitivity: 0.01 mm/m)                                                                                       | Using Electronic Level and Tilting table by Comparison Method                   | 0 to 0.12 mm/m                                                                    | 0.007 mm/m                                       |
| 160  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Standard Foil                                                                                                               | Using Plunger type Digital Indicator with Comparator Stand by Comparison Method | 0.01 mm to 1 mm                                                                   | 0.6 µm                                           |
| 161  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Test Sieve                                                                                                                  | Using Digital Vernier Caliper by Direct Method                                  | > 50 mm to 100 mm                                                                 | 0.1 mm                                           |
| 162  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Test Sieve                                                                                                                  | Using Profile Projector by Direct Method                                        | 0.03 mm to 4 mm                                                                   | 0.008 mm                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

30 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure      | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 163  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Test Sieve                                                                                                                  | Using Digital Vernier Caliper by Direct Method      | 4 mm to 50 mm                                                                     | 0.016 mm                                         |
| 164  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Thread Pitch Gauge (Flank Angle)                                                                                            | Using Profile Projector by Direct Method            | 60°                                                                               | 2.3'                                             |
| 165  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Thread Pitch Gauge (Pitch)                                                                                                  | Using Profile Projector by Direct Method            | 0.1 mm to 25 mm                                                                   | 0.0083 mm                                        |
| 166  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Ultrasonic Thickness Gauge (L.C.: 0.1 mm)                                                                                   | Using Slip Gauge by Direct Method                   | 1 mm to 100 mm                                                                    | 0.08 mm                                          |
| 167  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Vernier Caliper, Dial Vernier Caliper, Digital Vernier Caliper (L.C.: 0.01 mm)                                              | Using Slip Gauge & Caliper Checker by Direct Method | > 300 mm to 600 mm                                                                | 0.014 mm                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 31 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure          | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 168  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Vernier Caliper, Dial Vernier Caliper, Digital Vernier Caliper (L.C.: 0.01 mm)                                              | Using Slip Gauge & Caliper Checker by Direct Method     | 0 to 300 mm                                                                       | 0.010 mm                                         |
| 169  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Microscope - Linear movement (L.C.: 0.01 mm)                                                                                | Using Slip Gauge & Glass Scale by Direct Method         | 0 to 1 mm                                                                         | 0.014 mm                                         |
| 170  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Microscope - Magnification                                                                                                  | Using Slip Gauge & Glass Scale by Comparison Method     | Up to 100 X                                                                       | 0.5 %                                            |
| 171  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Profile Projector - Angle measurement (L.C.: 2')                                                                            | Using Angle Gauge Set by Direct Method                  | 0° to 180°                                                                        | 1'                                               |
| 172  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Profile Projector - Linear Scale (L.C. 0.001 mm)                                                                            | Using Slip Gauge by Direct Method                       | 0 to 200 mm                                                                       | 0.0035 mm                                        |
| 173  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Profile Projector - Magnification                                                                                           | Using Slip Gauge & Vernier Caliper by Comparison Method | Up to 50 X                                                                        | 0.85 %                                           |
| 174  | MECHANICAL-DUROMETER                                          | Durometer / Rubber Hardness Tester (Shore A)                                                                                | Using Force Gauge & Slip Gauge Set as per ASTM-D 2240   | 0 to 100 Shore A                                                                  | 0.8 Shore A                                      |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 32 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                       | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument      | Calibration or Measurement Method or procedure                                                    | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 175  | MECHANICAL-DUROMETER                     | Durometer / Rubber Hardness Tester (Shore D)                                                                                     | Using Force Gauge & Slip Gauge Set as per ASTM-D 2240                                             | 0 to 100 Shore D                                                                  | 2.27 Shore D                                           |
| 176  | MECHANICAL-MOBILE FORCE MEASURING SYSTEM | Push Pull Gauge, Force Gauge                                                                                                     | Using Alloy Steel Weights as per VDI/VDE 2624 Part 2.1                                            | 1 N to 500 N                                                                      | 1 %                                                    |
| 177  | MECHANICAL-PRESSURE INDICATING DEVICES   | Hydraulic Medium: Pressure Gauge, Pressure Sensor, Pressure Transmitter, Pressure Switch                                         | Using Digital Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1      | 0 to 1000 bar                                                                     | 0.6 %                                                  |
| 178  | MECHANICAL-PRESSURE INDICATING DEVICES   | Pneumatic Medium: Differential Pressure Gauge, Magnehelic Gauge, Differential Pressure Sensor, Differential Pressure Transmitter | Using Differential Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1 | 0 to 100 mbar                                                                     | 1.57 %                                                 |
| 179  | MECHANICAL-PRESSURE INDICATING DEVICES   | Pneumatic Medium: Pressure Gauge, Pressure Sensor, Pressure Transmitter, Pressure Switch                                         | Using Digital Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1      | 0 to 30 bar                                                                       | 0.85 %                                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 33 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                     | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                               | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 180  | MECHANICAL-PRESSURE INDICATING DEVICES | Pneumatic Medium: Pressure Gauge, Pressure Sensor, Pressure Transmitter, Pressure Switch                                    | Using Digital Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1 | 0 to 7 bar                                                                        | 0.6 %                                            |
| 181  | MECHANICAL-PRESSURE INDICATING DEVICES | Vacuum Gauge, Vacuum Sensor, Vacuum Transmitter, Vacuum Switch                                                              | Using Digital Vacuum Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1   | (-) 0.9 bar to 0                                                                  | 0.7 %                                            |
| 182  | MECHANICAL-TORQUE GENERATING DEVICES   | Torque Screw Driver (Type - I: Class D, E & Type - II: Class D, E, F)                                                       | Using Digital Torque Calibrator as per ISO 6789: 2017                                        | 0.1 Nm to 10 Nm                                                                   | 3.5 %                                            |
| 183  | MECHANICAL-TORQUE GENERATING DEVICES   | Torque Wrench (Type I / Class B, C, D, E)                                                                                   | Using Digital Torque Calibrator as per ISO 6789: 2017                                        | 0.5 Nm to 400 Nm                                                                  | 2.35 %                                           |
| 184  | MECHANICAL-TORQUE GENERATING DEVICES   | Torque Wrench (Type II / Class A, B, D, E)                                                                                  | Using Digital Torque Calibrator as per ISO 6789: 2017                                        | 0.5 Nm to 2000 Nm                                                                 | 1 %                                              |
| 185  | MECHANICAL-VOLUME                      | Beaker                                                                                                                      | Using Weighing Balance (Readability: 0.1 mg) and Distilled Water by Gravimetric Method       | 1 ml to 100 ml                                                                    | 0.16 ml                                          |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 34 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                               | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 186  | MECHANICAL-VOLUME  | Beaker                                                                                                                      | Using Weighing Balance (Readability: 0.001 g) and Distilled Water by Gravimetric Method                      | 100 ml to 2000 ml                                                                 | 0.3 ml                                           |
| 187  | MECHANICAL-VOLUME  | Pipette, Burette                                                                                                            | Using Weighing Balance (Readability: 0.001 mg) & Distilled Water by Gravimetric Method as per ISO 4787: 2021 | 0.1 ml to 1 ml                                                                    | 0.002 ml                                         |
| 188  | MECHANICAL-VOLUME  | Pipette, Burette, Flask, Measuring Cylinder                                                                                 | Using Weighing Balance (Readability: 0.01 g) & Distilled Water by Gravimetric Method as per ISO 4787: 2021   | 2 l to 4 l                                                                        | 0.55 ml                                          |
| 189  | MECHANICAL-VOLUME  | Pipette, Burette, Flask, Pycnometer, Measuring Cylinder                                                                     | Using Weighing Balance (Readability: 0.001 g) & Distilled Water by Gravimetric Method as per ISO 4787: 2021  | > 250 ml to 2000 ml                                                               | 0.12 ml                                          |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 35 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 190  | MECHANICAL-VOLUME  | Pipette, Burette, Flask, Pycnometer, Measuring Cylinder                                                                     | Using Weighing Balance (Readability: 0.01 mg) & Distilled Water by Gravimetric Method as per ISO 4787: 2021           | 1 ml to 50 ml                                                                     | 0.01 ml                                          |
| 191  | MECHANICAL-VOLUME  | Pipette, Burette, Flask, Pycnometer, Measuring Cylinder                                                                     | Using Weighing Balance (Readability: 0.001 g) & Distilled Water by Gravimetric Method as per ISO 4787: 2021           | 50 ml to 250 ml                                                                   | 0.025 ml                                         |
| 192  | MECHANICAL-VOLUME  | Piston Operated Micro-Pipette                                                                                               | Using Weighing Balance (Readability: 0.001 mg) & Distilled Water by Gravimetric Method as per ISO 8655 (Part-6): 2022 | > 10 µl to 100 µl                                                                 | 0.4 µl                                           |
| 193  | MECHANICAL-VOLUME  | Piston Operated Micro-Pipette                                                                                               | Using Weighing Balance (Readability: 0.001 mg) & Distilled Water by Gravimetric Method as per ISO 8655 (Part-6): 2022 | > 100 µl to 1000 µl                                                               | 2 µl                                             |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 36 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                    | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 194  | MECHANICAL-VOLUME                     | Piston Operated Micro-Pipette                                                                                               | Using Weighing Balance (Readability: 0.01 mg) & Distilled Water by Gravimetric Method as per ISO 8655 (Part-6): 2022  | > 1000 µl to 5000 µl                                                              | 2.5 µl                                           |
| 195  | MECHANICAL-VOLUME                     | Piston Operated Micro-Pipette                                                                                               | Using Weighing Balance (Readability: 0.01 mg) & Distilled Water by Gravimetric Method as per ISO 8655 (Part-6): 2022  | > 5000 µl to 10000 µl                                                             | 12.8 µl                                          |
| 196  | MECHANICAL-VOLUME                     | Piston Operated Micro-Pipette                                                                                               | Using Weighing Balance (Readability: 0.001 mg) & Distilled Water by Gravimetric Method as per ISO 8655 (Part-6): 2022 | 1 µl to 10 µl                                                                     | 0.08 µl                                          |
| 197  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 10 g)                                                                                                 | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019                                 | > 1 kg to 10 kg                                                                   | 7 g                                              |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 37 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                    | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 198  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 100 g)                                                                                                | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | > 50 kg to 100 kg                                                                 | 60 g                                                   |
| 199  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 5 g)                                                                                                  | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | 0 to 1 kg                                                                         | 3 g                                                    |
| 200  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 50 g)                                                                                                 | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | > 10 kg to 50 kg                                                                  | 30 g                                                   |
| 201  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.001 g; Class II and coarser)                                                               | Using E1 Class Weights as per OIML R 76-1                                             | 0 to 3 kg                                                                         | 2.61 mg                                                |
| 202  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.001 mg; Class I and coarser)                                                               | Using E1 Class Weights as per OIML R 76-1                                             | 0 to 11 g                                                                         | 0.006 mg                                               |
| 203  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.01 g; Class II and coarser)                                                                | Using E1 Class Weights as per OIML R 76-1                                             | 0 to 10 kg                                                                        | 8.85 mg                                                |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 38 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                    | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 204  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.01 mg; Class I and coarser)                                                                | Using E1 Class Weights as per OIML R 76-1          | 0 to 120 g                                                                        | 0.021 mg                                         |
| 205  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.1 g; Class III and coarser)                                                                | Using E2 Class Weights as per OIML R 76-1          | 0 to 30 kg                                                                        | 0.082 g                                          |
| 206  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.1 mg; Class I and coarser)                                                                 | Using E1 Class Weights as per OIML R 76-1          | 0 to 220 g                                                                        | 0.079 mg                                         |
| 207  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 10 g; Class IV)                                                                              | Using E2 & F2 Class Weights as per OIML R 76-1     | 0 to 100 kg                                                                       | 6.2 g                                            |
| 208  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 100 g; Class IV)                                                                             | Using M1 & F2 Class Weights as per OIML R 76-1     | 0 to 1000 kg                                                                      | 72 g                                             |
| 209  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 20 g; Class IV)                                                                              | Using F2 & M1 Class Weights as per OIML R 76-1     | 0 to 200 kg                                                                       | 19 g                                             |
| 210  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 50 g; Class IV)                                                                              | Using E2, F2 & M1 Class Weights as per OIML R 76-1 | 0 to 300 kg                                                                       | 47.4 g                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 39 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 211  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 1 g                                                                               | 0.0044 mg                                        |
| 212  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 1 mg                                                                              | 0.0017 mg                                        |
| 213  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 10 g                                                                              | 0.0075 mg                                        |
| 214  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 10 mg                                                                             | 0.0017 mg                                        |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 40 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 215  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.01 mg) by Substitution Method as per OIML R 111-1  | 100 g                                                                             | 0.029 mg                                         |
| 216  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 100 mg                                                                            | 0.0023 mg                                        |
| 217  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 2 g                                                                               | 0.0045 mg                                        |
| 218  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 2 mg                                                                              | 0.0017 mg                                        |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 41 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 219  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.01 mg) by Substitution Method as per OIML R 111-1  | 20 g                                                                              | 0.015 mg                                               |
| 220  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 20 mg                                                                             | 0.0017 mg                                              |
| 221  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.1 mg) by Substitution Method as per OIML R 111-1   | 200 g                                                                             | 0.098 mg                                               |
| 222  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 200 mg                                                                            | 0.0025 mg                                              |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 42 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 223  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 5 g                                                                               | 0.006 mg                                         |
| 224  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 5 mg                                                                              | 0.0018 mg                                        |
| 225  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.01 mg) by Substitution Method as per OIML R 111-1  | 50 g                                                                              | 0.017 mg                                         |
| 226  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 50 mg                                                                             | 0.0017 mg                                        |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 43 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 227  | MECHANICAL-WEIGHTS | Accuracy class E2 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 mg) by Substitution Method as per OIML R 111-1 | 500 mg                                                                            | 0.003 mg                                         |
| 228  | MECHANICAL-WEIGHTS | Accuracy class F1 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 g) by Substitution Method as per OIML R 111-1  | 1 kg                                                                              | 1.2 mg                                           |
| 229  | MECHANICAL-WEIGHTS | Accuracy class F1 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 g) by Substitution Method as per OIML R 111-1  | 2 kg                                                                              | 1.6 mg                                           |
| 230  | MECHANICAL-WEIGHTS | Accuracy class F1 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.01 g) by Substitution Method as per OIML R 111-1   | 5 kg                                                                              | 8 mg                                             |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

44 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                                 | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 231  | MECHANICAL-WEIGHTS | Accuracy class F1 & coarser                                                                                                 | Using E1 Class Weight and Weighing Balance (Readability: 0.001 g) by Substitution Method as per OIML R 111-1   | 500 g                                                                             | 0.8 mg                                                 |
| 232  | MECHANICAL-WEIGHTS | Accuracy class F2 & coarser                                                                                                 | Using E2 Class Weight and Weighing Balance (Readability: 0.1 g) by Substitution Method as per OIML R 111-1     | 20 kg                                                                             | 95 mg                                                  |
| 233  | MECHANICAL-WEIGHTS | Accuracy class M1 & coarser                                                                                                 | Using E2 Class Weight and Weighing Balance (Readability: 0.1 g) by Substitution Method as per OIML R 111-1     | 10 kg                                                                             | 89 mg                                                  |
| 234  | MECHANICAL-WEIGHTS | Accuracy class M1 & coarser                                                                                                 | Using E2 & F2 Class Weights and Weighing Balance (Readability: 1 g) by Substitution Method as per OIML R 111-1 | 50 kg                                                                             | 800 mg                                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 45 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group               | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                                  | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 235  | MECHANICAL-WEIGHTS               | Mass (Test Weight / Dead Weight / Newton Weight) in steps of 0.01 kg                                                        | Using E2 Class Weights and Digital Weighing Balance (Readability: 0.1 g) by Comparison Method   | 3.01 kg to 30.00 kg                                                               | 0.25 g                                           |
| 236  | MECHANICAL-WEIGHTS               | Mass (Test Weights / Dead Weights / Newton Weights) in steps of 1 g                                                         | Using E2 Class Weights and Digital Weighing Balance (Readability: 0.001 g) by Comparison Method | 3 g to 3000 g                                                                     | 6 mg                                             |
| 237  | THERMAL-SPECIFIC HEAT & HUMIDITY | Environmental Chamber, Stability Chamber, Humidity Chamber (Multi-position)                                                 | Using RH Data logger (Minimum 9 sensors) by Comparison Method                                   | 20 %RH to 95 %RH @ 25 °C                                                          | 2.6 %RH                                          |
| 238  | THERMAL-SPECIFIC HEAT & HUMIDITY | Humidity Indicator with Sensor of Environmental Chamber / Humidity Chamber (Single Position)                                | Using Digital RH and Temperature Indicator with sensor by Comparison Method                     | 20 %RH to 95 %RH @ 25 °C                                                          | 1.6 %RH                                          |
| 239  | THERMAL-SPECIFIC HEAT & HUMIDITY | Thermo-Hygrometer, Hygrometer, RH Indicator with Sensor, RH Controller with sensor, RH Recorder, RH Logger, RH Transmitter  | Using Thermo-Hygrometer & Portable RH Generator by Comparison Method                            | 20 %RH to 95 %RH @ 25 °C                                                          | 1.5 %RH                                          |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 46 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group               | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                 | Calibration or Measurement Method or procedure                                    | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 240  | THERMAL-SPECIFIC HEAT & HUMIDITY | Thermo-Hygrometer, Temperature Indicator with sensor, Temperature controller with sensor, Temperature Recorder, Temperature Logger, Temperature Transmitter | Using Thermohydrometer and Portable Temperature & RH Chamber by Comparison Method | 10 °C to 60 °C @ 50 %RH                                                           | 0.65 °C                                                |
| 241  | THERMAL-TEMPERATURE              | Black Body Source @ Emissivity : 0.95                                                                                                                       | Using Infrared Thermometer by Comparison Method                                   | 25 °C to 300 °C                                                                   | 2.8 °C                                                 |
| 242  | THERMAL-TEMPERATURE              | Black Body Source @ Emissivity : 0.95                                                                                                                       | Using Infrared Thermometer by Comparison Method                                   | 300 °C to 1050 °C                                                                 | 4.73 °C                                                |
| 243  | THERMAL-TEMPERATURE              | Chamber, Liquid Bath, Freezer, Refrigerator, Incubator - Non Medical Purpose only (Multi-position)                                                          | Using RTD with Data logger (Minimum 9 sensors) by Comparison Method               | (-) 80 °C to 25 °C                                                                | 1.8 °C                                                 |
| 244  | THERMAL-TEMPERATURE              | Chamber, Liquid Bath, Oven, Furnace (Multi-position)                                                                                                        | Using N type with Data logger (Minimum 9 sensors) by Comparison Method            | 250 °C to 1100 °C                                                                 | 3.5 °C                                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 47 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 245  | THERMAL-TEMPERATURE | Chamber, Liquid Bath, Oven, Furnace, Incubator, Autoclave, Sterilizer - Non Medical Purpose only (Multi-position)           | Using RTD with Data logger (Minimum 9 sensors) by Comparison Method   | 25 °C to 250 °C                                                                   | 1.4 °C                                           |
| 246  | THERMAL-TEMPERATURE | Infrared radiation thermometer / Pyrometer @ Emissivity : 0.95                                                              | Using Infrared thermometer and Black Body Source by Comparison Method | 300 °C to 1050 °C                                                                 | 4.2 °C                                           |
| 247  | THERMAL-TEMPERATURE | Infrared radiation thermometer/ Pyrometer @ Emissivity : 0.95                                                               | Using Infrared thermometer and Black Body Source by Comparison Method | 45 °C to 300 °C                                                                   | 2.8 °C                                           |
| 248  | THERMAL-TEMPERATURE | Liquid in Glass Thermometer                                                                                                 | Using SSPRT with Indicator and Liquid Bath by Comparison Method       | (-) 80 °C to 25 °C                                                                | 0.2 °C                                           |
| 249  | THERMAL-TEMPERATURE | Liquid in Glass Thermometer                                                                                                 | Using SSPRT with Indicator and Oil Bath by Comparison Method          | 25 °C to 250 °C                                                                   | 0.2 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 48 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                         | Calibration or Measurement Method or procedure                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 250  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter       | Using S-type Thermocouple with DMM and Dry Block by Comparison Method | 600 °C to 1000 °C                                                                 | 1.6 °C                                                 |
| 251  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (RTD / Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using SSPRT with Indicator and Oil Bath by Comparison Method          | 25 °C to 250 °C                                                                   | 0.2 °C                                                 |
| 252  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (RTD / Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using SSPRT with Indicator and Liquid Bath by Comparison Method       | (-) 80 °C to 25 °C                                                                | 0.2 °C                                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 49 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument                                        | Calibration or Measurement Method or procedure                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 253  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (RTD / Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using SSPRT with Indicator and Dry Block by Comparison Method | 250 °C to 600 °C                                                                  | 0.5 °C                                           |
| 254  | THERMAL-TEMPERATURE | Temperature Indicator / Controller with Sensor of Soldering Iron, Temperature Indicator / Controller with Sensor of Soldering Station                               | Using R type Thermocouple with indicator by Comparison Method | 100 °C to 500 °C                                                                  | 3.4 °C                                           |
| 255  | THERMAL-TEMPERATURE | Temperature Indicator with sensor of Muffle Furnace / Dry Block Calibrator (Single Position)                                                                        | Using S Type Thermocouple with DMM by Comparison Method       | 250 °C to 1100 °C                                                                 | 1.7 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 50 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                                          | Calibration or Measurement Method or procedure | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 256  | THERMAL-TEMPERATURE | Temperature Indicator with sensor of Oven / Incubator / Autoclave / Freezer / Chamber / Sterilizer / Liquid Bath / Dry Block Calibrator - Non Medical Purpose only (Single Position) | Using RTD with Indicator by Comparison Method  | (-) 80 °C to 250 °C                                                               | 0.3 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 51 of 82

**Last Amended on** 22/07/2026

| S.No          | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                              | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|---------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| Site Facility |                                                           |                                                                                                                             |                                                                             |                                                                                   |                                                  |
| 1             | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 5½ Digit Digital Multimeter by Direct Method                          | 0.1 mA to 200 mA                                                                  | 1.73 % to 0.43 %                                 |
| 2             | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method                          | 1 mA to 10 mA                                                                     | 0.18 % to 0.25 %                                 |
| 3             | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using Current Transformer and 6½ Digit Digital Multimeter by Direct Method  | 10 A to 1000 A                                                                    | 0.26 % to 0.6 %                                  |
| 4             | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using Current Transformer with 5½ Digit Digital Multimeter by Direct Method | 10 A to 1000 A                                                                    | 0.73 % to 1.2 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

52 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 5    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method | 10 mA to 100 mA                                                                   | 0.25 % to 0.19 %                                 |
| 6    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method | 100 mA to 10 A                                                                    | 0.19 % to 0.3 %                                  |
| 7    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 5½ Digit Digital Multimeter by Direct Method | 200 mA to 10 A                                                                    | 0.43 % to 0.7 %                                  |
| 8    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Current @ 50 Hz                                                                                                          | Using 6½ Digit Digital Multimeter by Direct Method | 30 µA to 1 mA                                                                     | 0.9 % to 0.18 %                                  |
| 9    | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Resistance @ 1 kHz                                                                                                       | Using LCR meter by Direct Method                   | 1 ohm to 10 kohm                                                                  | 0.43 %                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 53 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure          | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 10   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 1 kHz to 100 kHz                                                                                               | Using 6½ Digit Digital Multimeter by Direct Method      | 100 mV to 100 V                                                                   | 0.79 %                                           |
| 11   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz                                                                                                          | Using HV Probe with Digital Multimeter by Direct Method | 0.5 kV to 28 kV                                                                   | 6.2 % to 3.2 %                                   |
| 12   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz                                                                                                          | Using 5½ Digit Digital Multimeter by Direct Method      | 50 mV to 750 V                                                                    | 0.5 % to 0.3 %                                   |
| 13   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz to 1 kHz                                                                                                 | Using 6½ Digit Digital Multimeter by Direct Method      | 1 mV to 100 V                                                                     | 4.7 % to 0.1 %                                   |
| 14   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | AC Voltage @ 50 Hz to 1 kHz                                                                                                 | Using 6½ Digit Digital Multimeter by Direct Method      | 100 V to 1000 V                                                                   | 0.1 % to 0.12 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

54 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 15   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Capacitance @ 1 kHz                                                                                                         | Using LCR Meter by Direct Method                                      | 100 pF to 1 µF                                                                    | 0.7 % to 0.45 %                                  |
| 16   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Capacitance @ 100 Hz                                                                                                        | Using LCR Meter by Direct Method                                      | 10 µF to 100 µF                                                                   | 0.5 %                                            |
| 17   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Inductance @ 1 kHz                                                                                                          | Using LCR Meter by Direct Method                                      | 100 µH to 10 H                                                                    | 0.76 % to 0.5 %                                  |
| 18   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Power Factor @ 50 Hz                                                                                                        | Using Power Meter by Direct Method                                    | 0.3 (Lead / Lag) PF to UPF                                                        | 1.3 % to 0.6 %                                   |
| 19   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Single Phase AC Active Energy @ 50 Hz (50 V to 300 V, 20 mA to 1000 A, 0.5 PF (Lead / Lag) to UPF)                          | Using Power Meter & Single Phase Variac by Comparison / Direct Method | 100 Wh to 60 kWh                                                                  | 0.6 % to 0.94 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 55 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 20   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Single Phase AC Active Power @ 50 Hz (50 V to 300 V, 20 mA to 1000 A, 0.5 PF (Lead / Lag) to UPF)                           | Using Power Meter & Single phase Variac by Comparison / Direct Method            | 10 W to 60 kW                                                                     | 0.54 % to 0.94 %                                 |
| 21   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Three Phase AC Active Energy @ 50 Hz (50 V to 300 V, 20 mA to 1000 A, 0.5 PF (Lead / Lag) to UPF)                           | Using Three phase Power Meter & Three Phase Variac by Comparison / Direct Method | 100 Wh to 60 kWh                                                                  | 1.2 % to 1.6 %                                   |
| 22   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure) | Three Phase AC Active Power @ 50 Hz (50 V to 300 V, 1 A to 1000 A, 0.5 PF (Lead / Lag) to UPF)                              | Using Three phase Power Meter & Three Phase Variac by Comparison / Direct Method | 75 W to 210 kW                                                                    | 1.2 % to 2.1 %                                   |
| 23   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)  | AC Current @ 50 Hz                                                                                                          | Using Multi Function Calibrator & Current Coil by Direct Method                  | 20 A to 1000 A                                                                    | 0.18 % to 0.4 %                                  |
| 24   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)  | AC Current @ 50 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method                                 | 3 A to 20 A                                                                       | 0.2 % to 0.3 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 56 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                       | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 25   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Current @ 50 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 30 $\mu$ A to 330 mA                                                              | 0.6 % to 0.06 %                                  |
| 26   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Current @ 50 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 330 mA to 3 A                                                                     | 0.06 % to 0.2 %                                  |
| 27   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Voltage @ 1 kHz to 100 kHz                                                                                               | Using Multi Function Calibrator by Direct Method | 10 mV to 100 V                                                                    | 0.8 % to 0.33 %                                  |
| 28   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Voltage @ 45 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 1 mV to 330 mV                                                                    | 2.5 % to 0.06 %                                  |
| 29   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | AC Voltage @ 45 Hz to 1 kHz                                                                                                 | Using Multi Function Calibrator by Direct Method | 330 mV to 1000 V                                                                  | 0.06 % to 0.1 %                                  |
| 30   | ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source) | Capacitance @ 1 kHz                                                                                                         | Using Multi Function Calibrator by Direct Method | 0.5 nF to 1 $\mu$ F                                                               | 2.9 % to 0.42 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 57 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 31   | ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source) | Capacitance @ 100 Hz                                                                                                        | Using Multi Function Calibrator by Direct Method   | 1 $\mu$ F to 100 $\mu$ F                                                          | 0.42 % to 0.66 %                                 |
| 32   | ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source) | Power Factor @ 50 Hz (50 V to 1000 V, 0.1 A to 1000 A)                                                                      | Using Multi Function Calibrator by Direct Method   | 0.2 (Lead / Lag) PF to UPF                                                        | 1.5 % to 0.1 %                                   |
| 33   | ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source) | Single Phase AC Active Power @ 50 Hz (10 V to 600 V, 0.1 A to 20 A, 0.5 PF (Lead / Lag) to UPF)                             | Using Multi Function Calibrator by Direct Method   | 1 W to 12 kW                                                                      | 0.54 % to 0.2 %                                  |
| 34   | ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)               | DC Capacitance                                                                                                              | Using 6½ Digit Digital Multimeter by Direct Method | 1 nF to 100 $\mu$ F                                                               | 5 % to 1.78 %                                    |
| 35   | ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)               | DC Capacitance                                                                                                              | Using 6½ Digit Digital Multimeter by Direct Method | 100 $\mu$ F to 10 mF                                                              | 1.78 % to 2 %                                    |
| 36   | ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)               | DC Current                                                                                                                  | Using 5½ Digit Digital Multimeter by Direct Method | 1 $\mu$ A to 2 mA                                                                 | 2.63 % to 0.045 %                                |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 58 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument | Calibration or Measurement Method or procedure               | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 37   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method           | 1 µA to 400 mA                                                                    | 3.8 % to 0.07 %                                  |
| 38   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using Shunt and 5½ Digit Digital Multimeter by Direct Method | 10 A to 100 A                                                                     | 0.3 % to 1.1 %                                   |
| 39   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using Shunt and 5½ Digit Digital Multimeter by Direct Method | 100 A to 400 A                                                                    | 1.1 % to 2.7 %                                   |
| 40   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method           | 2 mA to 10 A                                                                      | 0.045 % to 0.26 %                                |
| 41   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Current                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method           | 400 mA to 10 A                                                                    | 0.07 % to 0.19 %                                 |
| 42   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC High Voltage                                                                                                              | Using HV Probe with Digital Multimeter by Direct Method      | 0.5 kV to 40 kV                                                                   | 4.0 % to 2.3 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 59 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 43   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (2 wire)                                                                                                      | Using 6½ Digit Digital Multimeter by Direct Method                 | 10 kohm to 1000 Mohm                                                              | 0.03 % to 3.0 %                                  |
| 44   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (2 wire)                                                                                                      | Using 5½ Digit Digital Multimeter by Direct Method                 | 2 kohm to 100 Mohm                                                                | 0.1 % to 2.1 %                                   |
| 45   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (4 wire)                                                                                                      | Using Current Source and 6½ Digit Digital Multimeter by V/I Method | 1 mohm to 10 ohm                                                                  | 1.63 % to 0.06 %                                 |
| 46   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (4 wire)                                                                                                      | Using 5½ Digit Digital Multimeter by Direct Method                 | 1 ohm to 2 kohm                                                                   | 1.5 % to 0.1 %                                   |
| 47   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Resistance (4 wire)                                                                                                      | Using 6½ Digit Digital Multimeter by Direct Method                 | 10 ohm to 10 kohm                                                                 | 0.06 % to 0.03 %                                 |
| 48   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                  | Using 6½ Digit Digital Multimeter by Direct Method                 | 0.1 mV to 10 V                                                                    | 4.1 % to 0.004 %                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 60 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 49   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method | 1 mV to 220 mV                                                                    | 1.22 % to 0.06 %                                 |
| 50   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method | 10 V to 1000 V                                                                    | 0.004 % to 0.007 %                               |
| 51   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | DC Voltage                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method | 220 mV to 1000 V                                                                  | 0.06 % to 0.02 %                                 |
| 52   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 1000 V                                                                                            | Using Digital Insulation Tester by Direct Method   | 10 Mohm to 40 Gohm                                                                | 1.4 % to 2.4 %                                   |
| 53   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 2500 V                                                                                            | Using Digital Insulation Tester by Direct Method   | 100 Mohm to 100 Gohm                                                              | 1.6 % to 2.8 %                                   |
| 54   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 5 kV                                                                                              | Using Digital Insulation Tester by Direct Method   | 100 Mohm to 1000 Gohm                                                             | 1.6 % to 2.8 %                                   |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 61 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                         | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 55   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 50 V to 1 kV                                                                                     | Using Voltage Source and 5½ Digit Digital Multimeter by V/I Method | 0.2 Mohm to 100 Mohm                                                              | 0.12 % to 0.59 %                                 |
| 56   | ELECTRO-TECHNICAL-DIRECT CURRENT (Measure) | High Resistance (2 wire) @ 500 V                                                                                            | Using Digital Insulation Tester by Direct Method                   | 10 Mohm to 10 Gohm                                                                | 1.4 % to 2.4 %                                   |
| 57   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Current                                                                                                                  | Using Multi Function Calibrator by Direct Method                   | 1 µA to 330 mA                                                                    | 2.5 % to 0.013 %                                 |
| 58   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Current                                                                                                                  | Using Multi Function Calibrator & Current Coil by Direct Method    | 20 A to 1000 A                                                                    | 0.12 % to 1.4 %                                  |
| 59   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Current                                                                                                                  | Using Multi Function Calibrator by Direct Method                   | 330 mA to 20 A                                                                    | 0.013 % to 0.12 %                                |
| 60   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)  | DC Power (10 V to 1000 V, 20 A to 1000 A)                                                                                   | Using Multi Function Calibrator & Current Coil by Direct Method    | 20 kW to 1 MW                                                                     | 0.13 % to 0.66 %                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 62 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 61   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Power (10 V to 1000 V, 0.1 A to 20 A)                                                                                    | Using Multi Function Calibrator by Direct Method | 1 W to 20 kW                                                                      | 0.06 % to 0.13 %                                       |
| 62   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (2 wire)                                                                                                      | Using Resistance Box by Direct Method            | 100 kohm to 100 Mohm                                                              | 0.065 % to 3.4 %                                       |
| 63   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (2 wire)                                                                                                      | Using Multi Function Calibrator by Direct Method | 100 kohm to 33 Mohm                                                               | 0.013 % to 0.13 %                                      |
| 64   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (2 wire)                                                                                                      | Using Multi Function Calibrator by Direct Method | 33 Mohm to 1000 Mohm                                                              | 0.13 % to 1.8 %                                        |
| 65   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (4 wire)                                                                                                      | Using Multi Function Calibrator by Direct Method | 1 ohm to 100 kohm                                                                 | 0.022 % to 0.015 %                                     |
| 66   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source) | DC Resistance (4 wire)                                                                                                      | Using Resistance Box by Direct Method            | 10 mohm to 100 kohm                                                               | 6 % to 0.065 %                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

63 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                               | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                  | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 67   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | DC Voltage                                                                                                                  | Using Multi Function Calibrator by Direct Method                                | 0.1 mV to 330 mV                                                                  | 3.6 % to 0.008 %                                 |
| 68   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | DC Voltage                                                                                                                  | Using Multi Function Calibrator by Direct Method                                | 330 mV to 1000 V                                                                  | 0.008 % to 0.007 %                               |
| 69   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | High Resistance (2 wire) @ 2.5 kV                                                                                           | Using High Resistance Box by Direct Method                                      | 100 Mohm to 100 Gohm                                                              | 1.8 % to 3.2 %                                   |
| 70   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | High Resistance (2 wire) @ 5 kV                                                                                             | Using High Resistance Box by Direct Method                                      | 100 Mohm to 1000 Gohm                                                             | 1.8 % to 6.5 %                                   |
| 71   | ELECTRO-TECHNICAL-DIRECT CURRENT (Source)        | High Resistance (2 wire) @ 500 V & 1000 V                                                                                   | Using High Resistance Box by Direct Method                                      | 10 Mohm to 10 Gohm                                                                | 1.7 % to 2.7 %                                   |
| 72   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure) | Turn Ratio                                                                                                                  | Using 6½ Digit Digital Multimeter and 5½ Digit Digital Multimeter by V/V Method | 1 to 300                                                                          | 0.15 % to 0.42 %                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 64 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                              | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 73   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Conductivity Meter (1 Mohm to 20 ohm)                                                                                       | Using Resistance Source by Simulation Method     | 1 $\mu$ S to 50 mS                                                                | 1.1 % to 0.6 %                                         |
| 74   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | ORP meter                                                                                                                   | Using mV Source by Simulation Method             | 10 mV to 2000 mV                                                                  | 6 % to 0.2 %                                           |
| 75   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Bandwidth                                                                                                    | Using Multi Function Calibrator by Direct Method | 50 kHz to 350 MHz                                                                 | 4.04 % to 6.2 %                                        |
| 76   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Time Base                                                                                                    | Using Multi Function Calibrator by Direct Method | 5 ns to 1 s                                                                       | 0.012 % to 0.12 %                                      |
| 77   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Vertical Deflection (DC)                                                                                     | Using Multi Function Calibrator by Direct Method | 2 mV to 30 V                                                                      | 4.1 % to 0.34 %                                        |
| 78   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source) | Oscilloscope - Vertical Deflection (Sine Wave @ 1 kHz)                                                                      | Using Multi Function Calibrator by Direct Method | 2 mV <sub>p-p</sub> to 50 V <sub>p-p</sub>                                        | 4.1 % to 3.5 %                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20, PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 65 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                 | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 79   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)    | Oscilloscope - Vertical Deflection (Square Wave @ 1 kHz)                                                                    | Using Multi Function Calibrator by Direct Method   | 2 mV <sub>p-p</sub> to 50 V <sub>p-p</sub>                                        | 4.2 % to 3.5 %                                   |
| 80   | ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)    | pH meter @ 400 mV to (-) 400 mV                                                                                             | Using mV Source by Simulation Method               | 0 pH to 14 pH                                                                     | 0.2 %                                            |
| 81   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | B Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | 600 °C to 1800 °C                                                                 | 0.5 °C                                           |
| 82   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | E Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1000 °C                                                             | 0.2 °C                                           |
| 83   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | J Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1200 °C                                                             | 0.2 °C                                           |
| 84   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | K Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1370 °C                                                             | 0.2 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 66 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                 | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 85   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | N Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 1300 °C                                                             | 0.3 °C                                           |
| 86   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | R Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | 0 °C to 1700 °C                                                                   | 0.5 °C                                           |
| 87   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | RTD (Pt-100)                                                                                                                | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 800 °C                                                              | 0.3 °C                                           |
| 88   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | S Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | 0 °C to 1700 °C                                                                   | 0.5 °C                                           |
| 89   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure) | T Type Thermocouple                                                                                                         | Using 6½ Digit Digital Multimeter by Direct Method | (-) 200 °C to 400 °C                                                              | 0.2 °C                                           |
| 90   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)  | B Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method   | 600 °C to 1800 °C                                                                 | 0.59 °C                                          |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 67 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 91   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | E Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1000 °C                                                             | 0.6 °C                                           |
| 92   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | J Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1200 °C                                                             | 0.32 °C                                          |
| 93   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | J Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 1200 °C                                                             | 1.9 °C                                           |
| 94   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | K Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1350 °C                                                             | 0.5 °C                                           |
| 95   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | K Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 1370 °C                                                             | 2 °C                                             |
| 96   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | N Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 1300 °C                                                             | 0.5 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 68 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure   | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 97   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | N Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 1300 °C                                                             | 2 °C                                                   |
| 98   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | R Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | 0 °C to 1700 °C                                                                   | 0.66 °C                                                |
| 99   | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | R Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method    | 0 °C to 1700 °C                                                                   | 3.4 °C                                                 |
| 100  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | RTD (PT-100)                                                                                                                | Using Multi Function Calibrator by Direct Method | (-) 200 °C to 800 °C                                                              | 0.3 °C                                                 |
| 101  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | RTD (PT-100)                                                                                                                | Using Temperature Calibrator by Direct Method    | (-) 200 °C to 800 °C                                                              | 1.2 °C                                                 |
| 102  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | S Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method | 0 °C to 1700 °C                                                                   | 0.53 °C                                                |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 69 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure     | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 103  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | S Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method      | 0 °C to 1700 °C                                                                   | 3.4 °C                                           |
| 104  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | T Type Thermocouple                                                                                                         | Using Multi Function Calibrator by Direct Method   | (-) 200 °C to 400 °C                                                              | 0.7 °C                                           |
| 105  | ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source) | T Type Thermocouple                                                                                                         | Using Temperature Calibrator by Direct Method      | (-) 200 °C to 400 °C                                                              | 1.4 °C                                           |
| 106  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)      | Frequency                                                                                                                   | Using Frequency Counter by Direct Method           | 1 MHz to 350 MHz                                                                  | 0.012 % to 0.0031 %                              |
| 107  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)      | Frequency                                                                                                                   | Using 6½ Digit Digital Multimeter by Direct Method | 10 Hz to 1 MHz                                                                    | 0.04 % to 0.012 %                                |
| 108  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)      | Frequency                                                                                                                   | Using 5½ Digit Digital Multimeter by Direct Method | 20 Hz to 1 MHz                                                                    | 0.4 % to 0.04 %                                  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

NABLC0726HR04851

**Page No**

70 of 82

**Validity**

10/05/2026 to 09/05/2030

**Last Amended on**

22/07/2026

| S.No | Discipline / Group                           | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                  | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 109  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure) | Time                                                                                                                        | Using Frequency Source & Frequency Counter by Comparison Method | 10 ms to 24 hr                                                                    | 0.58 ms to 2.5 s                                 |
| 110  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure) | Time                                                                                                                        | Using Time Interval Meter by Comparison Method                  | 100 ms to 10 hr                                                                   | 6 ms to 20.7 s                                   |
| 111  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure) | Time Interval                                                                                                               | Using Digital Storage Oscilloscope by Direct Method             | 5 ms to 1 s                                                                       | 0.58 ms to 2.12 ms                               |
| 112  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)  | Frequency                                                                                                                   | Using Multi Function Calibrator by Direct Method                | 1 MHz to 350 MHz                                                                  | 0.002 %                                          |
| 113  | ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)  | Frequency                                                                                                                   | Using Multi Function Calibrator by Direct Method                | 10 Hz to 1 MHz                                                                    | 0.013 % to 0.002 %                               |
| 114  | FLUID FLOW-FLOW MEASURING DEVICES            | Volume Flow (Liquid/ Water)                                                                                                 | Using Ultrasonic Flow Meter (Clamp on) by Comparison Method     | 1.2 m <sup>3</sup> to 10 m <sup>3</sup>                                           | 1.5 %                                            |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20, PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 71 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                           | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 115  | FLUID FLOW-FLOW MEASURING DEVICES | Volume Flow rate (Liquid/ Water)                                                                                            | Using Ultrasonic Flow Meter (Clamp on) by Comparison Method              | 0.7 m <sup>3</sup> /h to 9 m <sup>3</sup> /h                                      | 1.5 %                                            |
| 116  | FLUID FLOW-FLOW MEASURING DEVICES | Volume Flow rate (Liquid/ Water)                                                                                            | Using Ultrasonic Flow Meter (Clamp on) by Comparison Method              | 9 m <sup>3</sup> /h to 200 m <sup>3</sup> /h                                      | 1.5 %                                            |
| 117  | MECHANICAL-ACCELERATION AND SPEED | RPM Indicator with Sensor of Centrifuge, RPM Indicator with Sensor of Motor (Non-Contact type)                              | Using Tachometer by Comparison Method                                    | > 500 rpm to 16500 rpm                                                            | 0.53 %                                           |
| 118  | MECHANICAL-ACCELERATION AND SPEED | RPM Indicator with Sensor of Centrifuge, RPM Indicator with Sensor of Motor (Non-Contact type)                              | Using Tachometer by Comparison Method                                    | 12 rpm to 500 rpm                                                                 | 2.6 %                                            |
| 119  | MECHANICAL-ACCELERATION AND SPEED | Shock / Bump Test Machine / Vibration Shaker - Shock Calibration @ Pulse Width 0.2 ms to 20 ms                              | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method | 2 g (pk) to 40 g (pk)                                                             | 5.2 %                                            |
| 120  | MECHANICAL-ACCELERATION AND SPEED | Vibration Machine - Acceleration @ 5 Hz to 5000 Hz                                                                          | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method | 9.81 m/s <sup>2</sup> to 400 m/s <sup>2</sup>                                     | 4.54 %                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

|                               |                                                                                                    |                        |            |
|-------------------------------|----------------------------------------------------------------------------------------------------|------------------------|------------|
| <b>Laboratory Name :</b>      | NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,<br>PANCHKULA, HARYANA, INDIA |                        |            |
| <b>Accreditation Standard</b> | ISO/IEC 17025:2017                                                                                 |                        |            |
| <b>Certificate Number</b>     | NABLC0726HR04851                                                                                   | <b>Page No</b>         | 72 of 82   |
| <b>Validity</b>               | 10/05/2026 to 09/05/2030                                                                           | <b>Last Amended on</b> | 22/07/2026 |

| S.No | Discipline / Group                                            | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                           | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±)       |
|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 121  | MECHANICAL-ACCELERATION AND SPEED                             | Vibration Machine - Displacement @ 5 Hz to 1000 Hz                                                                          | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method | 0.024 mm to 3.8 mm                                                                | 4.67 %                                                 |
| 122  | MECHANICAL-ACCELERATION AND SPEED                             | Vibration Machine - Velocity @ 5 Hz to 5000 Hz                                                                              | Using Reference Accelerometer, DMM and Oscilloscope by Comparison Method | 2.54 mm/s to 400 mm/s                                                             | 3.67 %                                                 |
| 123  | MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | Granite / Cast Iron / Steel Surface Plate                                                                                   | Using Electronic Level by Direct Method                                  | Up to 6000 mm x 4000 mm                                                           | $1.7 \sqrt{(L+W)/150} \mu\text{m}$ , where L & W in mm |
| 124  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Microscope - Linear movement (L.C.: 0.01 mm)                                                                                | Using Slip Gauge & Glass Scale by Direct Method                          | 0 to 1 mm                                                                         | 0.014 mm                                               |
| 125  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Microscope - Magnification                                                                                                  | Using Slip Gauge & Glass Scale by Comparison Method                      | Up to 100 X                                                                       | 0.5 %                                                  |
| 126  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Profile Projector - Angle measurement (L.C.: 2')                                                                            | Using Angle Gauge Set by Direct Method                                   | 0° to 180°                                                                        | 1'                                                     |
| 127  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)                  | Profile Projector - Linear Scale (L.C. 0.001 mm)                                                                            | Using Slip Gauge by Direct Method                                        | 0 to 300 mm                                                                       | 0.0035 mm                                              |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 73 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                           | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument      | Calibration or Measurement Method or procedure                                                    | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 128  | MECHANICAL-DIMENSION (PRECISION INSTRUMENTS) | Profile Projector - Magnification                                                                                                | Using Slip Gauge & Vernier Caliper by Comparison Method                                           | Up to 100 X                                                                       | 0.85 %                                           |
| 129  | MECHANICAL-PRESSURE INDICATING DEVICES       | Hydraulic Medium: Pressure Gauge, Pressure Sensor, Pressure Transmitter, Pressure Switch                                         | Using Digital Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1      | 0 to 1000 bar                                                                     | 0.6 %                                            |
| 130  | MECHANICAL-PRESSURE INDICATING DEVICES       | Pneumatic Medium: Differential Pressure Gauge, Magnehelic Gauge, Differential Pressure Sensor, Differential Pressure Transmitter | Using Differential Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1 | 0 to 100 mbar                                                                     | 1.57 %                                           |
| 131  | MECHANICAL-PRESSURE INDICATING DEVICES       | Pneumatic Medium: Pressure Gauge, Pressure Sensor, Pressure Transmitter, Pressure Switch                                         | Using Digital Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1      | 0 to 30 bar                                                                       | 0.85 %                                           |
| 132  | MECHANICAL-PRESSURE INDICATING DEVICES       | Pneumatic Medium: Pressure Gauge, Pressure Sensor, Pressure Transmitter, Pressure Switch                                         | Using Digital Pressure Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1      | 0 to 7 bar                                                                        | 0.6 %                                            |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 74 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                                        | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                             | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 133  | MECHANICAL-PRESSURE INDICATING DEVICES                    | Vacuum Gauge, Vacuum Sensor, Vacuum Transmitter, Vacuum Switch                                                              | Using Digital Vacuum Gauge with Comparator pump, DMM by Comparison Method as per DKD R 6-1 | (-) 0.9 bar to 0                                                                  | 0.7 %                                            |
| 134  | MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE | Universal Testing Machine, Compression Testing Machine (Compression Mode)                                                   | Using Load Cell (Class 1) with Indicator as per IS 1828-1: 2022                            | 1 kN to 10 kN                                                                     | 0.3 %                                            |
| 135  | MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE | Universal Testing Machine, Compression Testing Machine (Compression Mode)                                                   | Using Load Cell (Class 1) with Indicator as per IS 1828-1: 2022                            | 10 kN to 100 kN                                                                   | 0.6 %                                            |
| 136  | MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE | Universal Testing Machine, Tensile Testing Machine (Tension Mode)                                                           | Using Load Cell (Class 1) with Indicator as per IS 1828-1: 2022                            | 1 kN to 10 kN                                                                     | 0.3 %                                            |
| 137  | MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE | Universal Testing Machine, Tensile Testing Machine (Tension Mode)                                                           | Using Load Cell (Class 1) with Indicator as per IS 1828-1: 2022                            | 10 kN to 100 kN                                                                   | 0.6 %                                            |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 75 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                    | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 138  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 10 g)                                                                                                 | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | > 1 kg to 10 kg                                                                   | 7 g                                              |
| 139  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 100 g)                                                                                                | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | > 50 kg to 100 kg                                                                 | 60 g                                             |
| 140  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 5 g)                                                                                                  | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | 0 to 1 kg                                                                         | 3 g                                              |
| 141  | MECHANICAL-WEIGHING SCALE AND BALANCE | Spring Balance (L.C.: 50 g)                                                                                                 | Using Secondary Iron hook Weights by Comparison Method as per IS 16514 (Part-2): 2019 | > 10 kg to 50 kg                                                                  | 30 g                                             |
| 142  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.001 g; Class II and coarser)                                                               | Using E1 Class Weights as per OIML R 76-1                                             | 0 to 3 kg                                                                         | 2.61 mg                                          |
| 143  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.001 mg; Class I and coarser)                                                               | Using E1 Class Weights as per OIML R 76-1                                             | 0 to 11 g                                                                         | 0.006 mg                                         |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 76 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                    | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 144  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.01 g; Class II and coarser)                                                                | Using E1 Class Weights as per OIML R 76-1      | 0 to 10 kg                                                                        | 8.85 mg                                          |
| 145  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.01 mg; Class I and coarser)                                                                | Using E1 Class Weights as per OIML R 76-1      | 0 to 120 g                                                                        | 0.021 mg                                         |
| 146  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.1 g; Class III and coarser)                                                                | Using E2 Class Weights as per OIML R 76-1      | 0 to 30 kg                                                                        | 0.082 g                                          |
| 147  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 0.1 mg; Class I and coarser)                                                                 | Using E1 Class Weights as per OIML R 76-1      | 0 to 220 g                                                                        | 0.079 mg                                         |
| 148  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 10 g; Class IV)                                                                              | Using E2 & F2 Class Weights as per OIML R 76-1 | 0 to 100 kg                                                                       | 6.2 g                                            |
| 149  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 100 g; Class IV)                                                                             | Using M1 & F2 Class Weights as per OIML R 76-1 | 0 to 1000 kg                                                                      | 72 g                                             |
| 150  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 20 g; Class IV)                                                                              | Using F2 & M1 Class Weights as per OIML R 76-1 | 0 to 200 kg                                                                       | 19 g                                             |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 77 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group                    | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure                              | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 151  | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balance (Readability: 50 g; Class IV)                                                                              | Using E2, F2 & M1 Class Weights as per OIML R 76-1                          | 0 to 300 kg                                                                       | 47.4 g                                           |
| 152  | THERMAL-SPECIFIC HEAT & HUMIDITY      | Environmental Chamber, Stability Chamber, Humidity Chamber (Multi-position)                                                 | Using RH Data logger (Minimum 9 sensors) by Comparison Method               | 20 %RH to 95 %RH @ 25 °C                                                          | 2.6 %RH                                          |
| 153  | THERMAL-SPECIFIC HEAT & HUMIDITY      | Humidity Indicator with Sensor of Environmental Chamber / Humidity Chamber (Single Position)                                | Using Digital RH and Temperature Indicator with sensor by Comparison Method | 20 %RH to 95 %RH @ 25 °C                                                          | 1.6 %RH                                          |
| 154  | THERMAL-SPECIFIC HEAT & HUMIDITY      | Thermo-Hygrometer, Hygrometer, RH Indicator with Sensor, RH Controller with sensor, RH Recorder, RH Logger, RH Transmitter  | Using Thermo-Hygrometer & Portable RH Generator by Comparison Method        | 20 %RH to 95 %RH @ 25 °C                                                          | 1.5 %RH                                          |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 78 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group               | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                 | Calibration or Measurement Method or procedure                                    | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)( $\pm$ ) |
|------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| 155  | THERMAL-SPECIFIC HEAT & HUMIDITY | Thermo-Hygrometer, Temperature Indicator with sensor, Temperature controller with sensor, Temperature Recorder, Temperature Logger, Temperature Transmitter | Using Thermohydrometer and Portable Temperature & RH Chamber by Comparison Method | 10 °C to 60 °C @ 50 %RH                                                           | 0.65 °C                                                |
| 156  | THERMAL-TEMPERATURE              | Black Body Source @ Emissivity : 0.95                                                                                                                       | Using Infrared Thermometer by Comparison Method                                   | 25 °C to 300 °C                                                                   | 2.8 °C                                                 |
| 157  | THERMAL-TEMPERATURE              | Black Body Source @ Emissivity : 0.95                                                                                                                       | Using Infrared Thermometer by Comparison Method                                   | 300 °C to 1050 °C                                                                 | 4.73 °C                                                |
| 158  | THERMAL-TEMPERATURE              | Chamber, Liquid Bath, Freezer, Refrigerator, Incubator - Non Medical Purpose only (Multi-position)                                                          | Using RTD with Data logger (Minimum 9 sensors) by Comparison Method               | (-) 80 °C to 25 °C                                                                | 1.8 °C                                                 |
| 159  | THERMAL-TEMPERATURE              | Chamber, Liquid Bath, Oven, Furnace (Multi-position)                                                                                                        | Using N type with Data logger (Minimum 9 sensors) by Comparison Method            | 250 °C to 1100 °C                                                                 | 3.5 °C                                                 |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 79 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                   | Calibration or Measurement Method or procedure                        | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 160  | THERMAL-TEMPERATURE | Chamber, Liquid Bath, Oven, Furnace, Incubator, Autoclave, Sterilizer - Non Medical Purpose only (Multi-position)                                             | Using RTD with Data logger (Minimum 9 sensors) by Comparison Method   | 25 °C to 250 °C                                                                   | 1.4 °C                                           |
| 161  | THERMAL-TEMPERATURE | Liquid in Glass Thermometer                                                                                                                                   | Using SSPRT with Indicator and Oil Bath by Comparison Method          | 25 °C to 250 °C                                                                   | 0.2 °C                                           |
| 162  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using S-type Thermocouple with DMM and Dry Block by Comparison Method | 600 °C to 1000 °C                                                                 | 1.6 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 80 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                         | Calibration or Measurement Method or procedure               | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 163  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (RTD / Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using SSPRT with Indicator and Oil Bath by Comparison Method | 25 °C to 250 °C                                                                   | 0.2 °C                                           |
| 164  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (RTD / Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using RTD with Indicator and Dry Block by Comparison Method  | (-) 30 °C to 25 °C                                                                | 0.3 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 81 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                         | Calibration or Measurement Method or procedure                | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 165  | THERMAL-TEMPERATURE | Temperature Gauge, Digital Thermometer, Temperature Sensor (RTD / Thermocouple) with or without Indicator / Controller / Logger / Recorder, Temperature Transmitter | Using SSPRT with Indicator and Dry Block by Comparison Method | 250 °C to 600 °C                                                                  | 0.5 °C                                           |
| 166  | THERMAL-TEMPERATURE | Temperature Indicator / Controller with Sensor of Soldering Iron, Temperature Indicator / Controller with Sensor of Soldering Station                               | Using R type Thermocouple with indicator by Comparison Method | 100 °C to 500 °C                                                                  | 3.4 °C                                           |
| 167  | THERMAL-TEMPERATURE | Temperature Indicator with sensor of Muffle Furnace / Dry Block Calibrator (Single Position)                                                                        | Using S Type Thermocouple with DMM by Comparison Method       | 250 °C to 1100 °C                                                                 | 1.7 °C                                           |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NIIRT CALIBRATION AND TESTING PRIVATE LIMITED, 214, KUNDI, SECTOR-20,  
PANCHKULA, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** NABLC0726HR04851

**Validity** 10/05/2026 to 09/05/2030

**Page No** 82 of 82

**Last Amended on** 22/07/2026

| S.No | Discipline / Group  | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument                                                          | Calibration or Measurement Method or procedure | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
| 168  | THERMAL-TEMPERATURE | Temperature Indicator with sensor of Oven / Incubator / Autoclave / Freezer / Chamber / Sterilizer / Liquid Bath / Dry Block Calibrator - Non Medical Purpose only (Single Position) | Using RTD with Indicator by Comparison Method  | (-) 80 °C to 250 °C                                                               | 0.3 °C                                           |

\* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of  $k = 2$ .