

**Laboratory** Khushi Calibration Laboratory, MCF 7329, 33 Ft. Road, Sanjay Colony, Sec.-23, Faridabad, Haryana

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Thermal Calibration **Issue Date** 23.09.2015

**Certificate Number** C-0971 **Valid Until** 22.09.2017

**Last Amended on** 24.09.2015 **Page** 1 of 1

| Quantity Measured/<br>Instrument   | Range / Frequency   | *Calibration Measurement<br>Capability ( $\pm$ ) | Remarks  |
|--|---|--|--|
| <b>I. TEMPERATURE</b>  |   |  |  |
| 1. RTD/<br>THERMOCOUPLE \$   | (-)30 °C to 50 °C<br>>50 °C to 250 °C                       | 0.8 °C<br>1.2 °C                                 | Using Digital Temp. Indicator<br>with 4 Wire RTD Sensor &<br>Liquid Bath                                       |
| 2. THERMOCOUPLE \$   | > 250 °C to 1150 °C   | 3.3 °C   | Using Digital Temp. Indicator<br>with 'S' Type Thermocouple<br>Dry Block Calibrator                            |
| 3. DIGITAL/ DIAL<br>GAUGE LIQUID<br>IN GLASS<br>THERMOMETER \$   | (-)30 °C to 250 °C  | 1.42 °C  | Using Digital Temp. Indicator<br>with 4 Wire RTD Liquid Bath   |
| 4. INDICATOR OF<br>INCUBATOR, OVEN,<br>FREEZERS.<br>MUFFLE FURNACE<br>CENTRIFUGE<br>CHAMBER, LIQUID &<br>WATER BATH<br>INDUSTRIAL<br>FURNACE * | (-)30 °C to 50 °C<br>>50 °C to 250 °C<br>>250 °C to 1150 °C | 0.8 °C<br>0.9 °C<br>3.3 °C                       | Using Digital Temp. Indicator<br>with 4 Wire RTD<br>Using Digital Temp. Indicator<br>with 'S' Type             |
| 5. RTD /<br>THERMOCOUPLE *   | (-)30 °C to 50 °C<br>>50 °C to 250 °C<br>>250 °C to 1150 °C | 0.8 °C<br>1.2 °C<br>3.3 °C                       | Using Digital Temp. Indicator<br>with 4 Wire RTD, 'S' Type T/C<br>& Liquid Bath,<br>Dry Block Calibrator       |
| 6. INDUSTRIAL<br>FURNACE/ SPATIAL<br>THERMAL<br>MAPPING *  | 400 °C to 1200 °C   | 6.3 °C   | Using Multi Point Data Logger<br>with N-Type Thermocouples<br>& 9 Point-Multipoint Point<br>Calibration System |

\* Measurement Capability is expressed as an uncertainty ( $\pm$ ) at a confidence probability of 95%

\$Only in Permanent Laboratory

\*Only for Site Calibration

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