

ANNEXURE A
SCHEDULE OF ACCREDITATION
TEMPERATURE METROLOGY

Laboratory Accreditation Number: CAL-14 006 (ISO/IEC 17025:2017)

| | | | | | |
|--|--|---|-----------------------------------|---|------------------|
| <p>Permanent Address of Laboratory Namibian Standards Institution Metrology Department 205 Gold Street, Prosperita Windhoek Namibia</p> <p>Postal Address P O Box 26364 Windhoek Namibia</p> <p>Tel : +264 61 386 470/2 Cell : +264 81 261 3694 Fax : +264 61 386 477 Email : matalis@nsi.com.na</p> | <p>Technical Signatories : Mr S S Sankwasa (All items) Mr S Matali (Items 1, 3, 4) Ms L Katanga (All items)</p> <p>Nominated Representative : Mr S Matali</p> <p>Issue No : 02 Date of Issue : 13 May 2024 Expiry Date : 27 February 2028</p> | | | | |
| ITEM | MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT | METHOD | RANGE OF MEASURED QUANTITY | CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±) | |
| 1 | Digital Thermometry | Internal: MTPI 006 Reference: SADCAS TR 26 | -30 °C to 125 °C | At NSI 0.1 °C | Onsite 0.3 °C |
| | | | 125 °C to 450 °C | 0.1 °C | 0.3 °C |
| 2 | Liquid in Glass Thermometry | Internal: MTPI 007 Reference: OIML R 133, SADCAS TR 26 | -40 °C to 0 °C | At NSI 0.25 °C | |
| | | | 0 °C to 150 °C | 0.2 °C | |
| 3 | Temperature Installations (Single Location) | Internal: MTPI 016 Reference: SADCAS TR 26 | -30 °C to 0 °C | At NSI & On-site 2 °C | |
| | | | 0 °C to 10 °C | 1 °C | |
| | | | 10 °C to 40 °C | 0.4 °C | |
| | | | 40 °C to 80 °C | 0.8 °C | |
| | | | 80 °C to 450 °C | 1 °C | |

Original date of accreditation: 20 February 2013

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|------|--|---|----------------------------|--|
| 4 | Isothermal Media (Multi-location Mapping) | Internal: MTPI 016 Reference: SADCAS TR 26 | -30 °C to 0 °C | At NSI & On-site 2 °C |
| | | | 0 °C to 10 °C | 1 °C |
| | | | 10 °C to 40 °C | 0.4 °C |
| | | | 40 °C to 80 °C | 0.8 °C |
| | | | 80 °C to 450 °C | 1 °C |

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The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor $k = 2$, corresponding to a confidence level of approximately 95%.



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