

## Certificate of Calibration

**Certificate Number:**

**Calibration Date:**

**Submitter:**

**Instrument Under Test:**                      **Model No**  
 EL-USB-1    **Instrument Serial Number:** 208311

**Test Equipment Used:**    **Test Equipment Serial Number:**  
 Espec Climatic Chamber    896  
 Rotronic Hygrowin Thermohygrometer    26615

The above test equipment is certified to 'traceable' standards.  
 The temperature scale is to ITS-90 International Standard for  
 Thermocouples.

Lab Environmental conditions at time of calibration: Temp 23.5°C±1°C/ RH 45% RH ±5% RH

| True Reading<br>(°C) | Instrument Measured Value<br>(°C) | Error<br>(°C) | Uncertainty of Measurement<br>(°C) |
|----------------------|-----------------------------------|---------------|------------------------------------|
| -9.7                 | -9.0                              | 0.7           | ± (0.5°C + D)                      |
| 5.3                  | 5.5                               | 0.2           | ± (0.5°C + D)                      |
| 25.1                 | 25.0                              | -0.1          | ± (0.5°C + D)                      |
| 39.9                 | 40.0                              | 0.1           | ± (0.5°C + D)                      |

Temperature cycle and uniformity was conducted at full immersion with readings observed 5 minutes after stabilisation.

The reported expanded uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95%.

**READING BEFORE CALIBRATION. Applicable [ ] Non Applicable [ X ]**

True reading ( °c )

Unit Reading ( °c )

Page 2 of 2 Pages  
Certificate No.

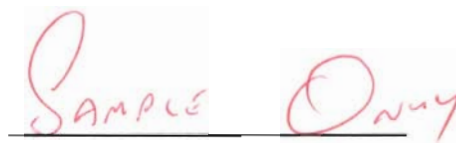
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## Qualification of Standard Used

This is to certify that the stated instrument has been verified and calibrated at the measured values given in the results table on page 1 of this 2 page document using test equipment which itself has been calibrated and certified to the stated standard. Calibration of the stated instrument was carried out on the date of issue of this certificate. The procedures and work instructions used to verify and calibrate the instrument are fully documented.

The errors reported refer to measured values only with no account being taken of the instrument's ability to maintain its calibration.

Signed:

Two handwritten signatures in red ink. The first signature is 'SAMPLE' and the second is 'Dany'.

Authorised Signatory

G Clarkson

K Pickering