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NATA REPORT No: 4287

TEST REPORT FOR TEMPERATURE CONTROLLED ENCLOSURE

DATE TESTED: 26.03.14 **DATE OF ISSUE:** 27.03.14

CUSTOMER: LABEC

ADDRESS: 28 Farr St MARRICKVILLE NSW 2204

MEAN AMBIENT TEMP: 23.0 °C **Location:** FACTORY TOP FLOOR

EQUIPMENT: FURNACE **MAKE:** LABEC

SERIAL/PLANT No: R057 **MODEL:** OHT400-18

CONTROLLER: EUROTHERM 3216 **READABILITY ° C:** 1

TEST CONDITION : EMPTY

Vent provided: NO **Vent Position:** N/A **Open/Closed:** N/A

Testing Time (min): 60 **Interval (min):** 1

Thermocouple used: K **Thermocouple Roll No:** 5320

No:of Probes: 3 **Numbered from :** 1 to 3

TEST EQUIPMENT : Graphtec **MODEL:** GL220 **S/N:** H10114457

TEST METHOD: Australian Standard AS 2853/1986 and number of probes as per Internal Procedure 201.

Nominated Workspace Perimeter from inner Walls (in mm): 100mm from front & back, centre 30mm up
Selected Test Area & Sensor location if different to Procedure: None

ALL TEMPERATURES IN DEGREES CELSIUS

Expected Temperature at this Setting: 390

CONTROLLER SETTING:

DIGITAL:	390
METER:	
DIAL:	

INDICATED TEMPERATURE:

DIGITAL:	390
METER:	
THERMOMETER:	

ENCLOSURE MEASURED TEMPERATURE:

Mid-range:	393.3
Maximum:	396.0
Minimum:	390.6

Temporal Variation:	2.6
Spatial Variation:	3.1
Overall Variation:	5.4

Uncertainty of Measurement at 95% confidence +/-: 2.2 °C

K-Factor: 2.02

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

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Placement of Sensors in the Enclosure:

	Max.Temp.:	Min.Temp.:	Position of Probes:
Probe 1:	392.5	390.6	FRONT
Probe 2:	396.0	393.4	CENTRE
Probe 3:	394.7	392.4	BACK

Internal Dimensions (Estimated) in cm:
L 30 W 20 H 15

Notes:

1. Laboratory measurements are traceable through National Standards referenced to The International Temperature Scale of 1990 (ITS-90).
2. The calibration data applies only to the conditions existing at the time of test (ambient temperature, state of the instrument, etc.) and those resulting from the use of the specified test method.
3. Explanation to terms used on page 1.

Midrange = Maximum + Minimum/2.
Maximum = maximum temperature measured at any one site.
Minimum = minimum temperature measured at any one site.

Temporal variation maximum - minimum at any one site with the maximum difference.
Spatial variation difference of maximum and minimum of the Midrange of all sensors.
Overall variation difference between maximum and minimum of all sensors.

Deviation from standard AS2853 : A set number of Sensors are used and placed as per Internal Procedure No:201

Comments:

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For and on behalf of
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