



SCIENTIFIC

"WHERE MEASUREMENT IS PARAMOUNT TO SUCCESS"

ESTABLISHED SINCE 1969

NATA ACCREDITED LABORATORY : Reg. No.411

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NATA REPORT FOR TEMPERATURE CONTROLLED ENCLOSURE

REPORT No: 4426
DATE: 03.07.14

EQUIPMENT:	MAKER:	MODEL:	Location:
INCUBATOR	LABEC	QHT27	Laboratory
Ambient Temp.(°C):	22		SERIAL No:
CONTROLLER:	Inbuilt		Q507
READABILITY (°C)	0.1		
CONDITION OF TEST:	Empty		
NUMBER OF SENSORS USED:	10		
Testing Time:	60 min		

ALL TEMPERATURES IN DEGREES CELSIUS
CONTROLLER SETTING:

INDICATED TEMPERATURE:

DIGITAL:
METER:
DIAL:

60

DIGITAL:
METER:
THERMOMETER:

60

ENCLOSURE MEASURED TEMPERATURE:

Mid-range:	59.8
Maximum:	62.2
Minimum:	57.4

Temporal Variation:	1.7
Spatial Variation:	4.3
Overall Variation:	4.8

UNCERTAINTY OF MEASUREMENT +/- (°C): 0.9 at a 95 % confidence level.

K-FACTOR 2.06

TEST METHOD: Australian Standard AS2853/1986 & C.I. Scientific procedure 201a.

TEST EQUIPMENT : MADGETECH LOGGERS

MODEL: IMPRETRIEVER RH

S/N: M57735,M57736,M57725,M57731,M57727,
M57732,M57728,M57720,M57740,M57737

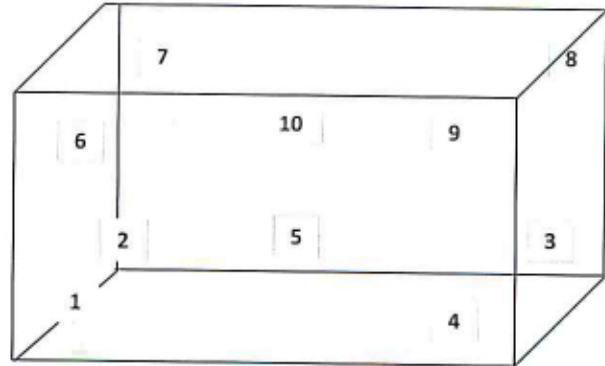
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Placements of Probes in the Chamber:

	Maximum	Minimum
1 M57735	58.95	58.75
2 M57736	60.46	60.06
3 M57725	59.17	58.87
4 M57731	59.49	59.39
5 M57727	59.63	57.93
6 M57732	58.23	57.43
7 M57728	59.84	59.64
8 M57720	62.23	62.03
9 M57740	60.08	59.58
10 M57737	60.45	60.15



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 = $\text{Maximum} + \text{Minimum} / 2$.
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.

This laboratory is accredited by the NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA.
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For and on behalf of
CI SCIENTIFIC PTY LIMITED



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TRACEABLE REPORT FOR HUMIDITY CHAMBER

EQUIPMENT: Incubator
CONTROLLER: Inbuilt
TESTING CONDITION: Empty
Ambient Temp. 22 °C
TEST METHOD: Internal Procedure 201A

MAKER: LABEC
MODEL: QHT27
SERIAL No: Q507
READING: 1 Rh %

LOCATION/PLANT No: N/A

NOMINATED WORKSPACE PERIMETER:

100 mm approx from the inner surface of the appliance.

Humidity setting 95 Rh % **Humidity reading** 95 Rh %

ENCLOSURE MEASURED HUMIDITY:

All readings in Rh

Position of Probes:

	Max:	Min:		Max:	Min:
M57735	94.7	94.0	M59732	98.6	96.1
M54436	95.2	93.5	M57728	94.9	93.4
M57725	93.9	92.8	M57720	94.1	92.8
M57731	95.3	94.3	M57740	97.2	94.1
M57727	94.2	93.7	M57737	96.2	94.1

UNCERTAINTY OF MEASUREMENT +/- Rh % 2.0
at a 95 Rh % confidence level.

Results are correct at the time of testing.

The tests, calibrations or measurements covered by this document have been performed in accordance with requirements of ISO/IEC 17025 : 2005 using references traceable to National Measurement Institute (NMI).

For & on behalf of
CI Scientific Pty Limited