SCIENTIFIC
"WHERE MEASUREMENT IS PARAMOUNT TO SUCCESS"
ESTABLISHED SINCE 1969
NATA ACCREDITED LABORATORY : Reg. No.411

C.I. SCIENTIFIC PTY. LTD.
A.B.N. 92 745 752 540
Unit 11 / 4 Garling Rd. Kings Park NSW 2148
Ph: +61 2 9621 8900 or 1300 CALL 4 CI
Fax: +61 2 9621 8933 (1300 2255 4 24)
E: info@ciscientific.com
Web: www.ciscientific.com.au

NATA CERTIFICATION REPORT FOR AUTOCLAVE

Report No:	*3444*
Maker:	*LABEC*
Model:	*AA20*
Serial No:	*P876*
Location:	*FACTORY*
Customer:	***LABEC***
Address:	***26-30 Farr Street, Marrickville NSW 2204***
Test Method:	***The Instrument was calibrated based on Technical Note 5 & C.I.'s Internal Procedure Section 5.9 with consideration also given to particular customer requirements.***
Mean Ambient Temperature:	*25* °C
Calibrated by:	***Benjie San Juan***
Date:	*27.03.12*
Date Issued:	*30.03.12*
Uncertainties:	***The measurement uncertainties are based at the 95% confidence level.***
NOTE :	*Please refer to the graphs and notes provided to obtain the maximum temperature duration.*

The obtained readings on the report are true and correct at the time of Test.

For further information please contact Jurgen Cyrulla on (02)96218900.

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NATA CERTIFICATION REPORT FOR AUTOCLAVE

REPORT No: 3444

Description of Equipment. TYPE OF AUTOCLAVE: Floor: YES Bench:
Other:

INTERNAL DIMENSIONS (in mm): 45 X 60 NUMBER OF SHELVES/TRAYS: 2

TEMPERATURE CONTROLLER: E3216 READABILITY IN °C: 0.1

Location of Shelves/Trays:

TOP [ ] MIDDLE [YES] BOTTOM [YES]

Description if Different from above:

LOAD DESCRIPTION: Waste: [ ] Media: [ ] Liquid: [YES]
Other:

Location of Load including Spacing:

Top Tray:	N/A
Middle Tray:	1 X LOGGER IN 100ML, 1 X LOGGER IN 200ML, 1 X LOGGER IN 400ML
Bottom Tray:	1 X LOGGER IN 100ML, 1 X LOGGER IN 200ML, 1 X LOGGER IN 400ML
Other:	1 X EXTRA LOGGER WITHOUT LOAD (FOR REFERENCE ONLY)

HOT START: YES COLD START:

TIME OF DAY WHEN THE TEST WAS INITIATED (24 hours): 14:45

TIME OF DAY WHEN THE SET TEMPERATURE WAS REACHED (24 hours): 15:16

(For timer Settings explenation please refer to pg 3 of 3 in the notes page)

START OF TIMER : 3:16 PM END OF TIMER: 3:46 PM

CUSTOMER SPECIFIED HOLDING TIME: 0:15 Hrs/Min TIMER SETTING(in Min): 30

HEAT PENETRATION TIME: 0:09 Hrs/Min

Required Sterilization Time (See Pg.3 of 3 Notes) : 0:24 Hrs/Min

LOGGER S/N: M85968,N58606,N58588,M22600,N58610,N58565 **LOGGING INTERVAL (sec):** 30

NUMBERS OF LOGGERS or PROBES: 6

ALL TEMPERATURES IN DEGREES CELSIUS.

CONTROLLER SETTING: 121.0 **INDICATED TEMPERATURE:** 121.0

Indicated Pressure on Built In Gauge: 110 kPa Observation only.
(Not Accredited for Pressure)

MINIMUM TEMPERATURE REPORTED IS AT START OF CYCLE:

Comments: Temperature drops may occur after the start of the timing cycle. This could be the result of numerous unpredictable scenarios of load behaviour.

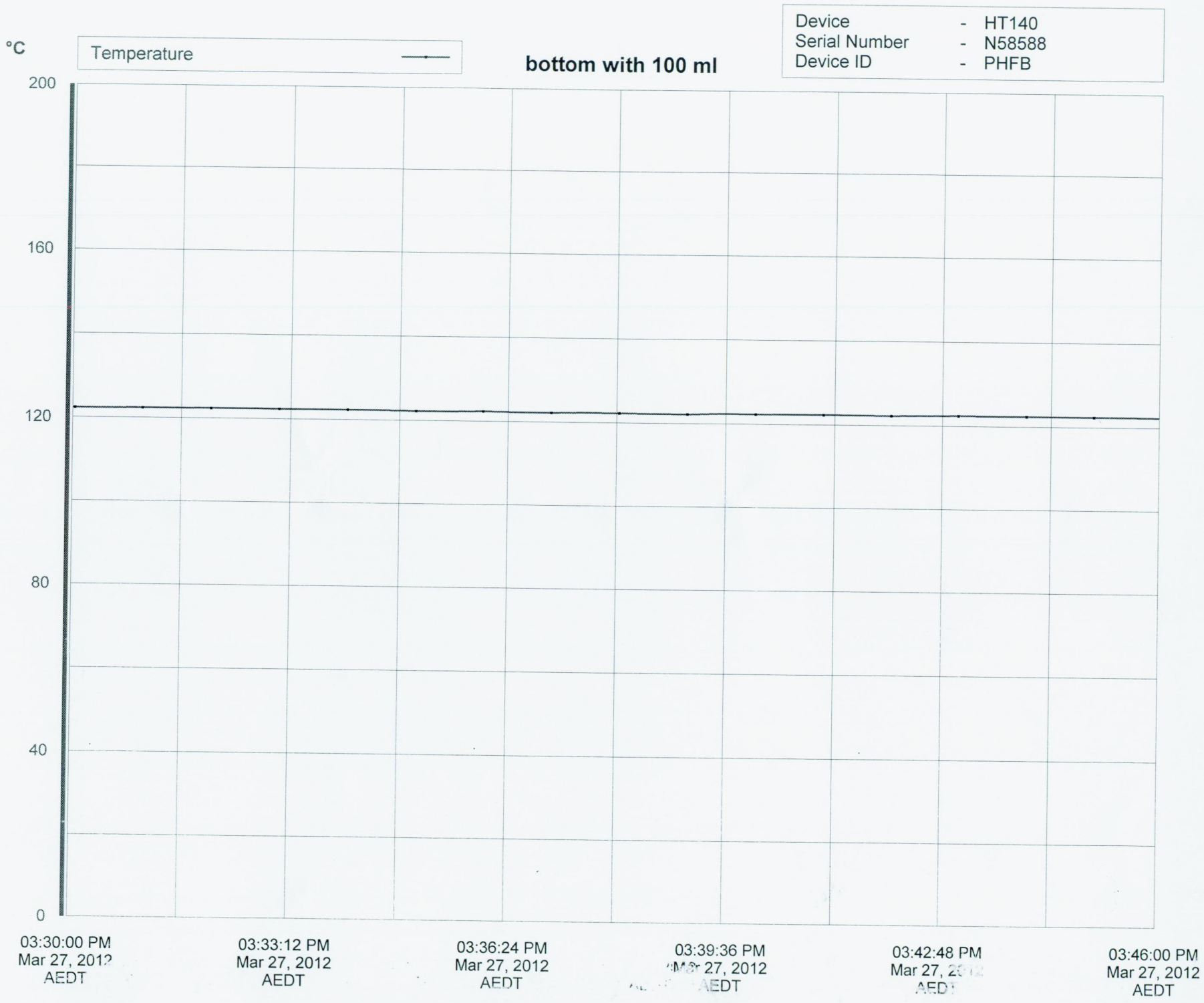
Placement of Logger :		Min.Temp.	Max.Temp.	Placement of Logger :		Min.Temp.	Max.Temp.
Logger 1: BOTTOM 400ML	M85968	121.79	122.14	Logger 6: TOP 100ML	N58565	121.8	122.0
Logger 2: BOTTOM 200ML	N58606	122.43	122.51	Logger 7:			
Logger 3: BOTTOM 100ML	N58588	121.96	122.23	Logger 8:			
Logger 4: TOP 400ML	M22600	120.89	122.09	Logger 9:			
Logger 5: TOP 200ML	N58610	121.98	122.13	Logger 10:			

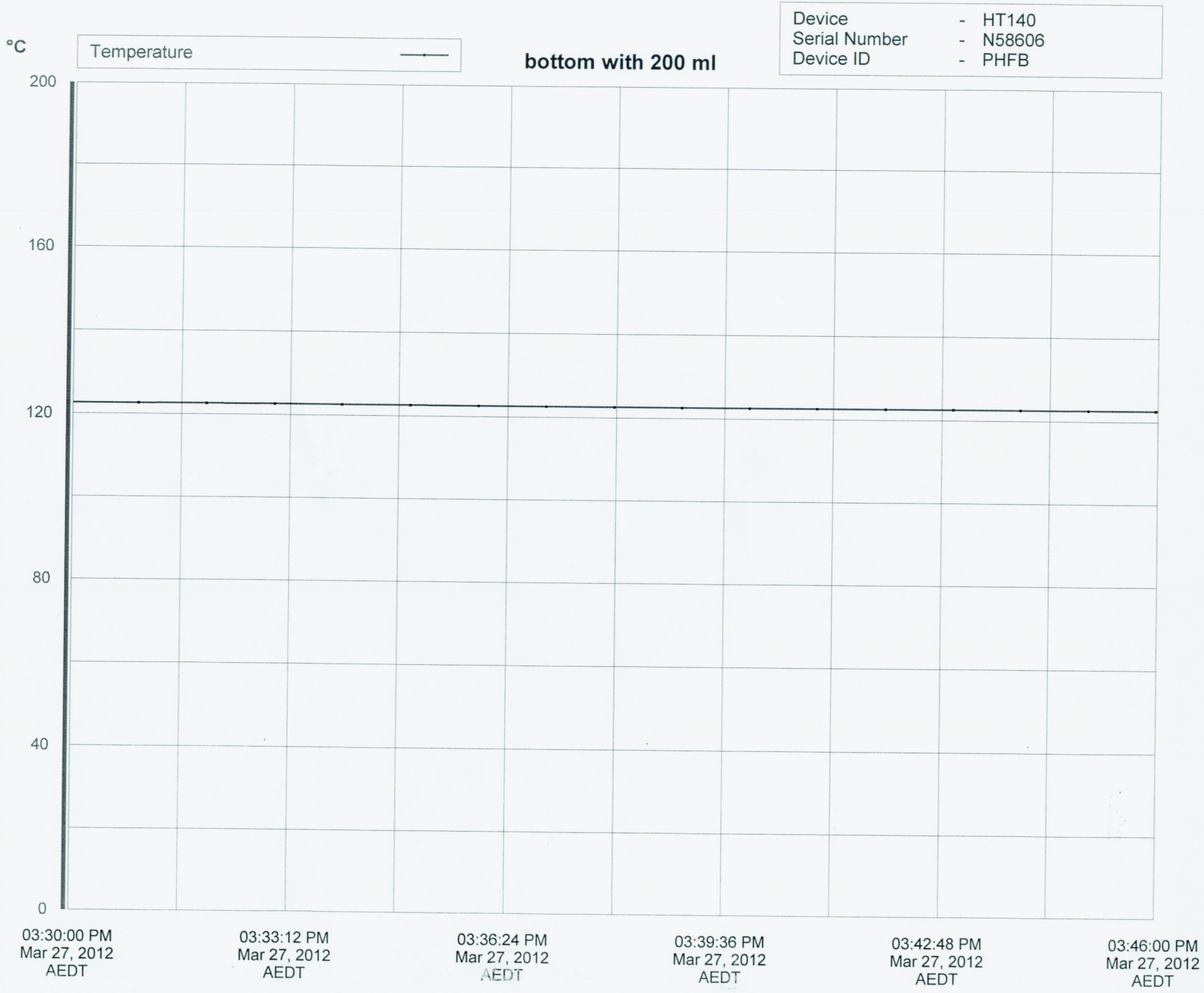
Uncertainty of Measurement at 95% confidence +/-: 0.7 °C **K-Factor:** 2.06

This laboratory is accredited by the NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA.
The work reported herein has been performed in accordance with its terms of accreditation.
The tests, calibration or measurements covered by this document are traceable to
AUSTRALIAN NATIONAL STANDARDS OF MEASUREMENT.

NATA
WORLD RECOGNISED ACCREDITATION

NATA Accredited Laboratory, Number 411.


°C
Temperature
bottom with 100 ml
Device - HT140
Serial Number - N58588
Device ID - PHFB
200
160
120
80
40
0
03:30:00 PM Mar 27, 2012 AEDT
03:33:12 PM Mar 27, 2012 AEDT
03:36:24 PM Mar 27, 2012 AEDT
03:39:36 PM Mar 27, 2012 AEDT
03:42:48 PM Mar 27, 2012 AEDT
03:46:00 PM Mar 27, 2012 AEDT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Serial Number - N58606
Device ID - PHFB
°C
Temperature
bottom with 200 ml
200
160
120
80
40
0
03:30:00 PM Mar 27, 2012 AEDT
03:33:12 PM Mar 27, 2012 AEDT
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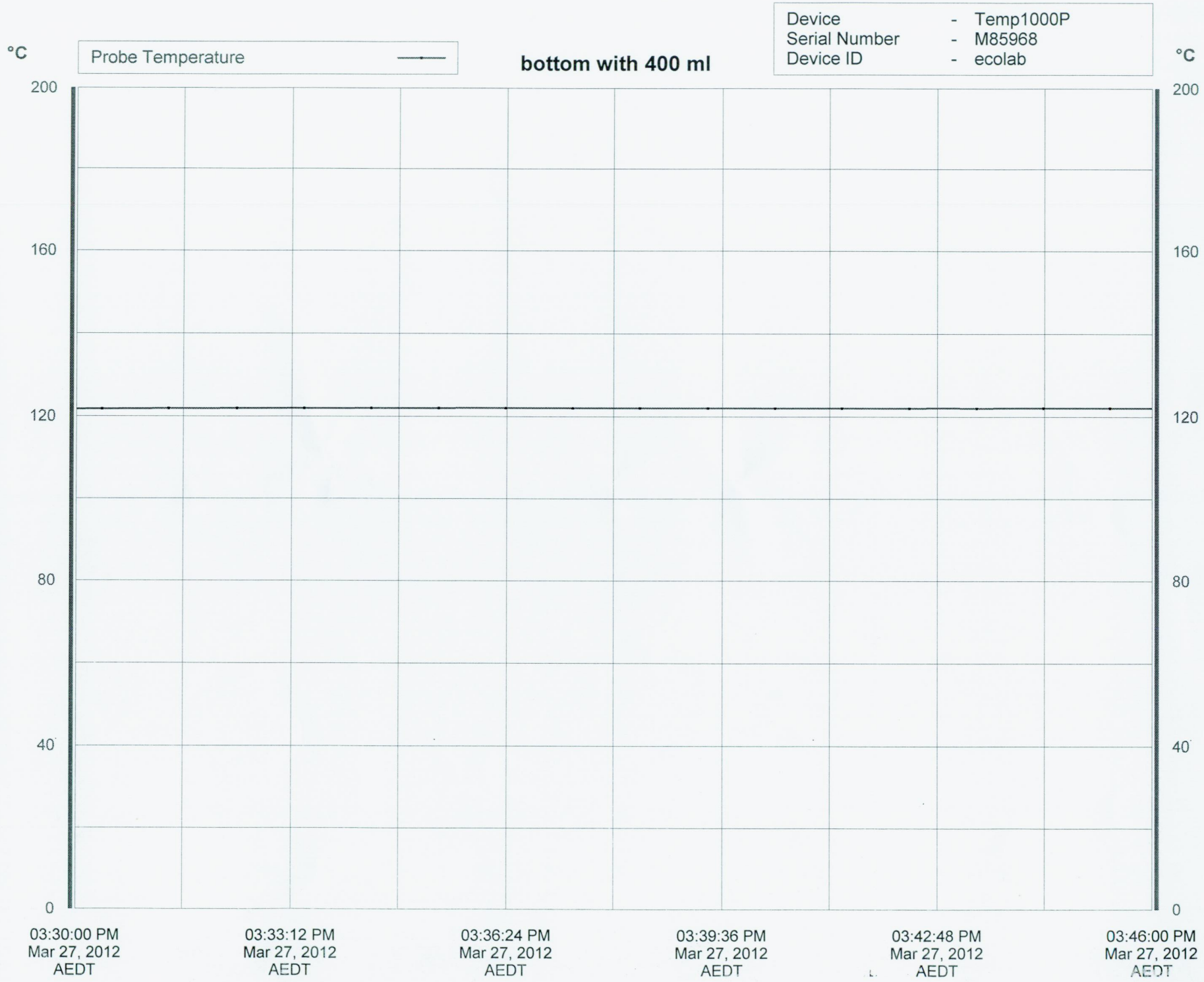
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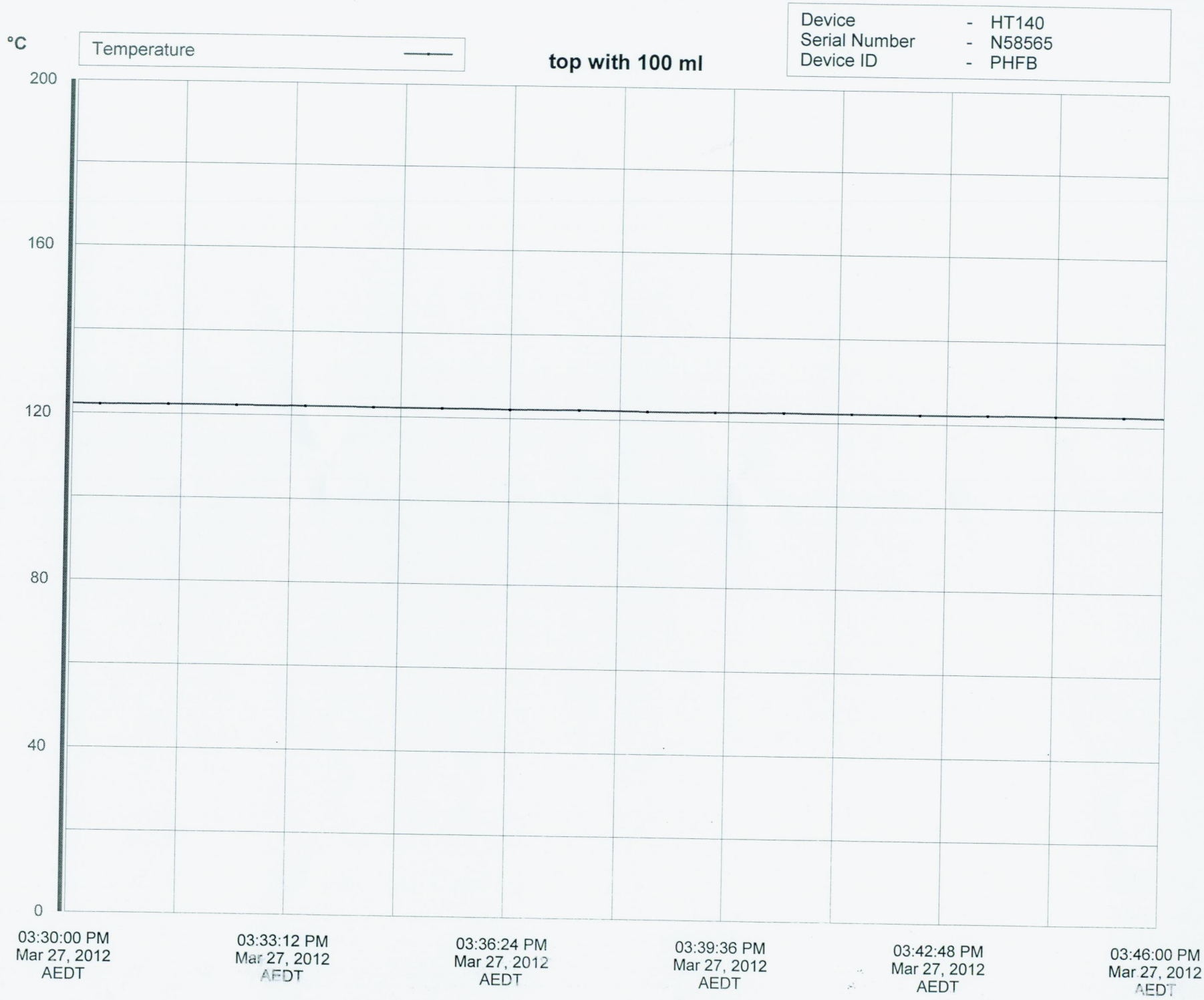
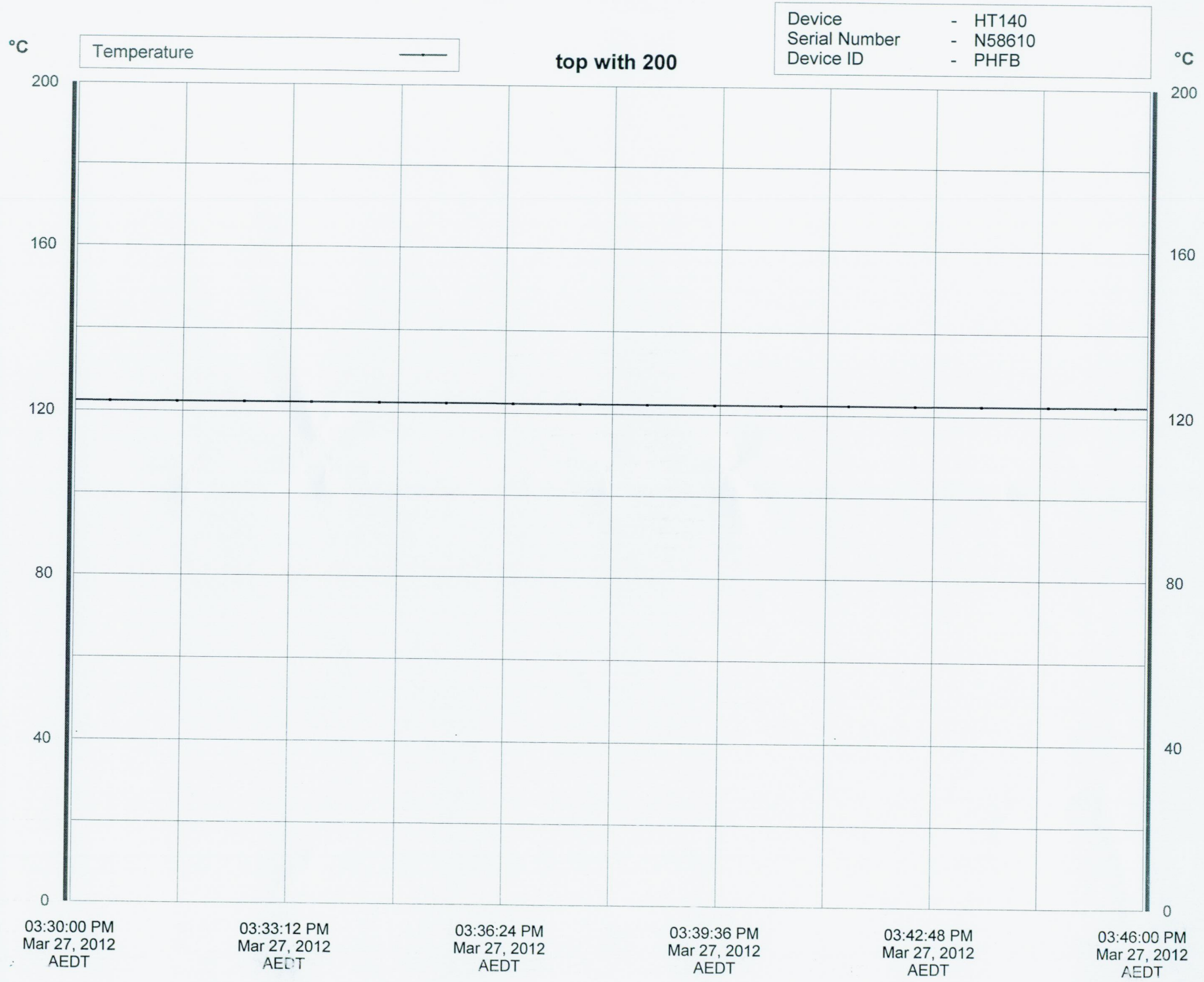
Serial Number - M85968
Device ID - ecolab
°C
Probe Temperature
bottom with 400 ml
°C
200
160
120
80
40
0
03:30:00 PM
Mar 27, 2012
AEDT
03:33:12 PM
Mar 27, 2012
AEDT
03:36:24 PM
Mar 27, 2012
AEDT
03:39:36 PM
Mar 27, 2012
AEDT
03:42:48 PM
Mar 27, 2012
AEDT
03:46:00 PM
Mar 27, 2012
AEDT


°C
Temperature
top with 100 ml
Device - HT140
Serial Number - N58565
Device ID - PHFB
200
160
120
80
40
0
03:30:00 PM Mar 27, 2012 AEDT
03:33:12 PM Mar 27, 2012 AEDT
03:36:24 PM Mar 27, 2012 AEDT
03:39:36 PM Mar 27, 2012 AEDT
03:42:48 PM Mar 27, 2012 AEDT
03:46:00 PM Mar 27, 2012 AEDT


Device - HT140
Serial Number - N58610
Device ID - PHFB
°C
Temperature
top with 200
°C
200
160
120
80
40
0
200
160
120
80
40
0
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AEDT
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AEDT
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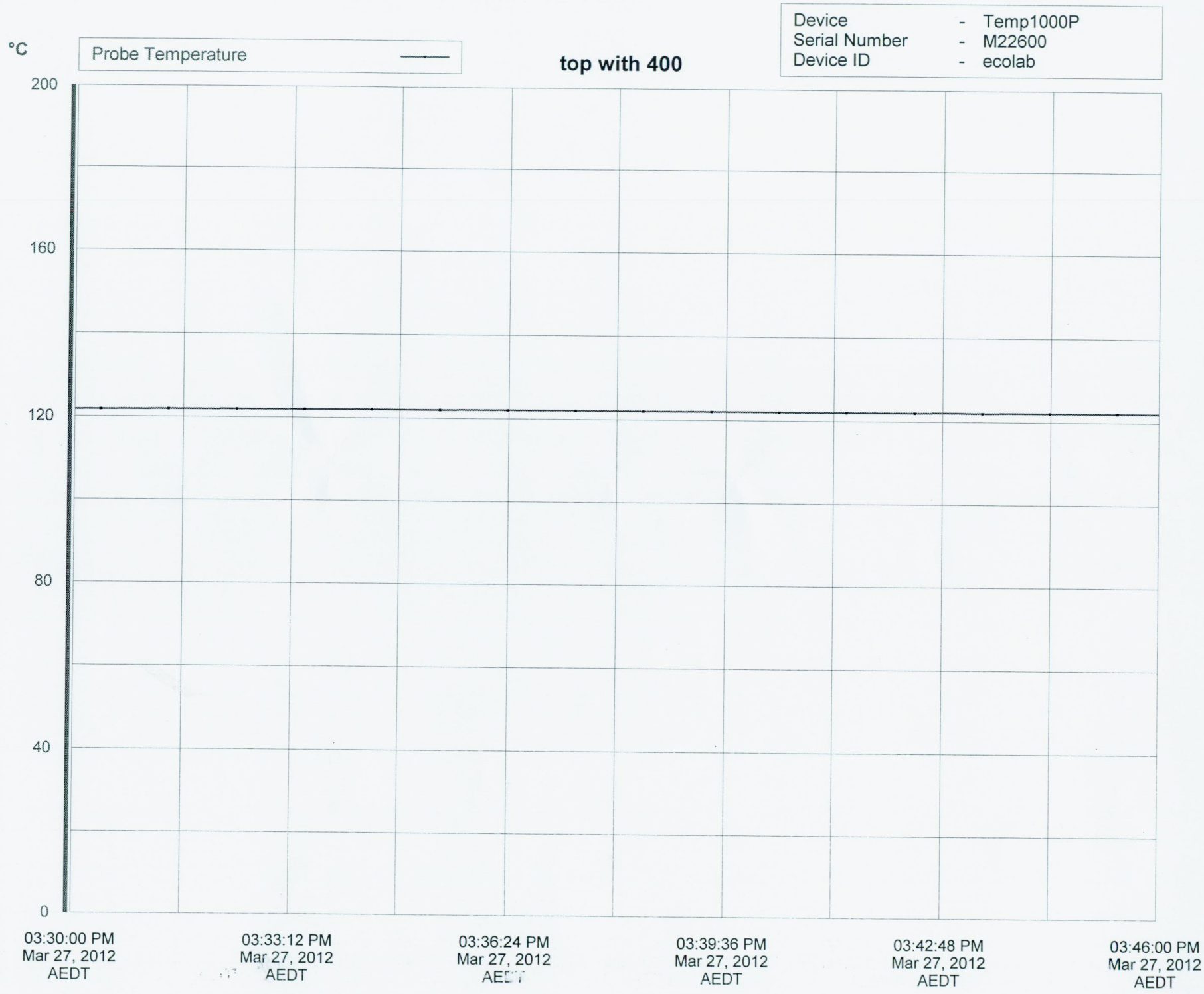
Device - Temp1000P
Serial Number - M22600
Device ID - ecolab
°C
Probe Temperature
top with 400
200
160
120
80
40
0
03:30:00 PM Mar 27, 2012 AEDT
03:33:12 PM Mar 27, 2012 AEDT
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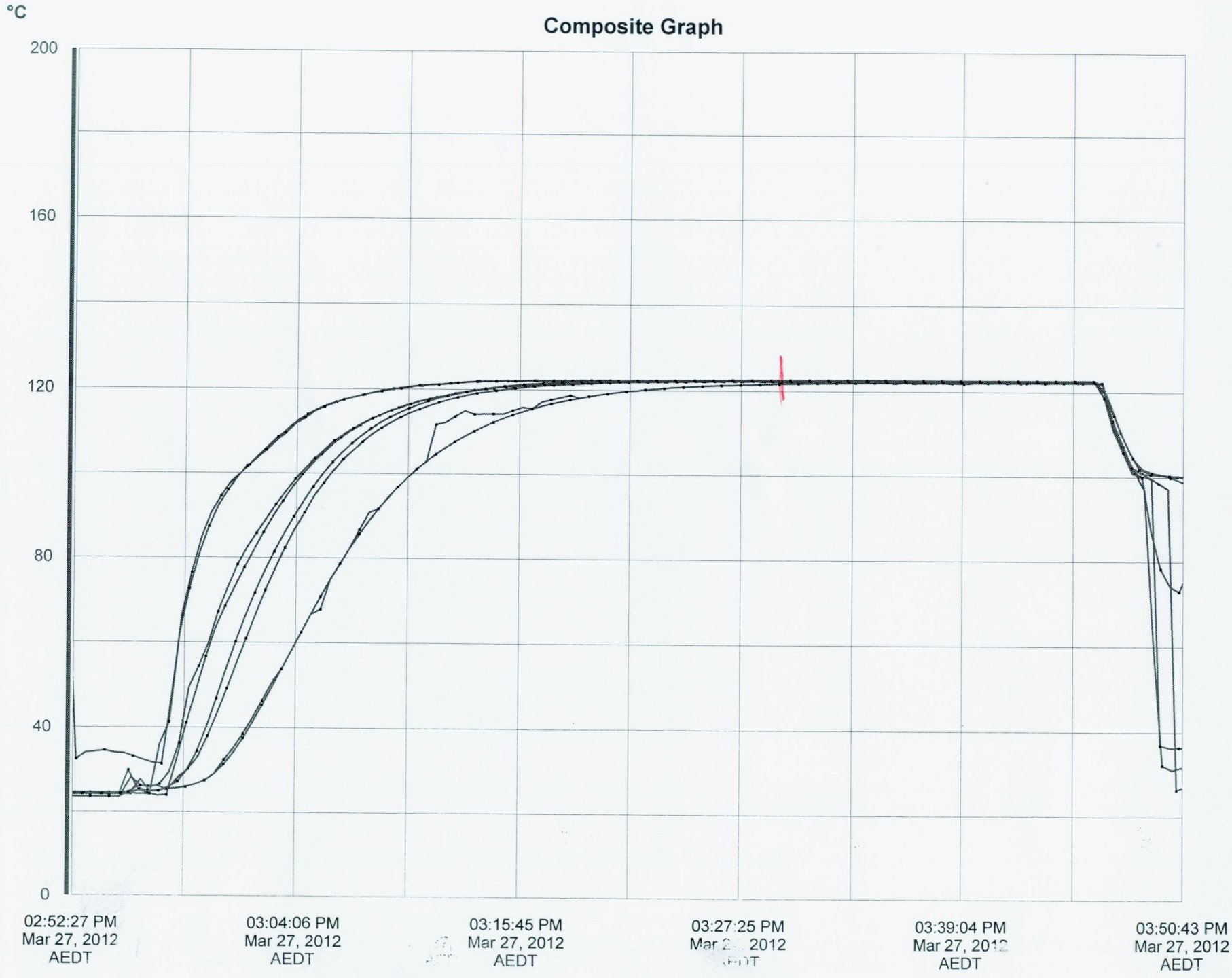
°C
Composite Graph
200
160
120
80
40
0
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Mar 27, 2012
AEDT
03:04:06 PM
Mar 27, 2012
AEDT
03:15:45 PM
Mar 27, 2012
AEDT
03:27:25 PM
03:39:04 PM
Mar 27, 2012
AEDT
03:50:43 PM
Mar 27, 2012
AEDT