



# Manufacturer's Certificate of Validation



Certificate No.	Date	Page
MCV1311290001	December 5, 2013	1 of 1

imec Messtechnik GmbH certifies that the products mentioned on the following page(s) have been thoroughly tested, validated and met performance accuracy specifications over the stated ranges.

## Reference Instrumentation

Device	Model	Calibration Date	Accuracy/Volatility	Serial Number
Thermometer readout	Fluke 1502A	January 1, 2014	±0.006@0°C	B15811
Thermostatic waterbath	XORTS-40A	January 1, 2014	0.002°C	11-061
Thermostatic waterbath	XORTS-20A	January 1, 2014	0.003°C	11-062
SPRT	AWT2842	January 1, 2014	Class 2	0111

All reference instruments are calibrated by CIMM (Changchen Institute of Metrology & Measurement), a CNAS (China National Accreditation Service) accredited laboratory, and traceable to NIST according to Multi-Recognition Agreement.

## Environment Conditions

Air Temperature
20.7°C
Relative Humidity
54.0%

## Validation Information

Validation Points	Tolerance	Result
+60°C	±0.5°C	PASS
+40°C	±0.5°C	PASS
+25°C	±0.5°C	PASS
0°C	±0.5°C	PASS
-5°C	±0.5°C	PASS
-25°C	±0.5°C	PASS

## Product Information

Product Name	Model	Serial Number	Production Date	Expiry Date	Quantity
tempmate	TMS90CX000	TM131200001-TM131200020	04/2014	04/2015	20 pcs.

Inspector:



This certificate is valid for a period of 1 (one) year from date of sale.

V05/2014

