

Manufacturer's Certificate of Validation

Certificate No.	Date	Page
VC17020539-15	February 07,2017	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
Constant Temperature				
Trough of Low Temperature	HC-2010	March 25,2016	$\pm 0.05^{\circ}\text{C}$	JYDQ-135
Low-Temperature Check Equipment				
ATL60	March 25,2016	$\pm 0.015^{\circ}\text{C}$	JYDQ-136	

All reference instruments are calibrated by SuZhou LonBo Calibration and Testing Co.,LTD, a CNAS (China National Accreditation Service) accredited laboratory, and traceable to NIST according to Multi-Recognition Agreement.

Environment Conditions

Air Temperature
25.5°C
Relative Humidity
53.0%

Validation Information

Validation Points	Tolerance	Result
+60°C	$\pm 0.5^{\circ}\text{C}$	PASS
+40°C	$\pm 0.5^{\circ}\text{C}$	PASS
+25°C	$\pm 0.5^{\circ}\text{C}$	PASS
0°C	$\pm 0.5^{\circ}\text{C}$	PASS
-5°C	$\pm 0.5^{\circ}\text{C}$	PASS
-25°C	$\pm 0.5^{\circ}\text{C}$	PASS

Product Information

Product Name	Serial Number	Production Date	Expiry Date
tempmate®-S1 V2.1	S117020539-15	02/2017	02/2019

This certificate was automatically generated and valid without signature for 2 (two) years from date of production. V03/2016.

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