

# Manufacturer's Certificate of Validation

| Certificate No | Date           | Page   |
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| VC150400013    | April 17, 2015 | 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 28, 2015   | ±0.05°C             | JYDQ-135      |
| Low-Temperature checking Equipment             | ATL60   | March 28, 2015   | ±0.015°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

|                          |
|--------------------------|
| <b>Air Temperature</b>   |
| 20.5°C                   |
| <b>Relative Humidity</b> |
| 53.0%                    |


## 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 | Serial Number | Production Date | Expiry Date |
|--------------|---------------|-----------------|-------------|
| tempmate-M1  | TMM150400012  | 04/2015         | 04/2016     |

Inspector:



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

V01/2015

