



FINAL INSPECTION & CALIBRATION CERTIFICATE

This certificate of final inspection was issued after approval of the final inspection stage and calibration.

Product type: BioShake iQ

Inspection and calibration conditions:

Ambient conditions: Temperature: $22 \pm 5 \text{ }^\circ\text{C}$ / Humidity: $40 \pm 30 \text{ \%RH}$
Method of the calibration Before the calibration the examinee has been acclimated in the measuring room. The calibration took place by comparison of the „right value“ – which is being shown by reference device respectively by the standard solution – with the notice „shown value“ of the calibration device.

Measuring equipment:

Test equipment ID Q101: Q.Instruments Verifier T1 - Temperature Verification Tool
Test equipment ID Q102: Q.Instruments Verifier M1 - Mixing Verification Tool
Test equipment ID Q103: Q.Instruments Verifier P1 - Position Verification Tool

Measurement uncertainty of measuring procedure:

Temperature: Measurement range: $0 \dots +100 \text{ }^\circ\text{C}$ | System accuracy: $\pm 0.1 \text{ }^\circ\text{C}$ | Resolution: $0.05 \text{ }^\circ\text{C}$
Mixing speed: Measurement range: $+30 \dots +12,500 \text{ rpm}$ | System accuracy: $\pm 1 \text{ rpm}$
Position: System accuracy: $\pm 0.01 \text{ mm}$

Preparing examinations and activities:

		passed / failed
Visual check:	According device specifications	passed
Functional check:	According device specifications	passed

Measuring results: Temperature [°C]

Right value	Shown value	Allowed deviation	passed / failed
40.0	40.2	± 0.5	passed
60.0	60.0	± 0.7	passed
90.0	90.0	± 1.0	passed

Measuring results: Mixing Speed [rpm]

Right value	Shown value	Allowed deviation	passed / failed
1000	998	± 25	passed
3000	2994	± 25	passed

EC-Declaration of conformity in accordance with european standard DIN EN ISO/IEC 17050


The product meets the basic health and safety requirements and applicable standards of:	• DIN EN 61010-1:2011-07	• EMC Directive 2004/108/EC
	• DIN EN 61010-2-10:2015-05	• Restriction of Hazardous
	• DIN EN 61010-2-051:2004-07	Substances Directive 2011/65/EU
	• DIN EN 61326-1:2013-07	

This certificate may not be reproduced in other than in full expect. Calibration certificates without signature are not valid.

Date: 21 Aug. 2017

Serial number: 7591

Released and authorized by:

Supervisor


 Dipl. Wirt.-Ing. Kenneth Juengel

Person responsible


 Ulf Kothe

