



Zertifikat Nr.

N° du certificat

Certificate No

Kunde

Client

Ciente

17.27201

MBV AG

8712 Stäfa

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110-286630

16.06.2017

KALIBRIERZERTIFIKAT (AUSGANG) **CERTIFICAT D'ETALONNAGE (SORTIE)** **CALIBRATION CERTIFICATE (AS LEFT)**

tested as per internal test regulations AE02-A0423+Q

Gegenstand

Objet

Object

Hersteller

Fabricant

Manufacturer

Typ

Type

Type

Bemerkungen

Remarques

Remark

Normal/Teststandard:

Flow meter Instromet IRM-A, Fabr. Nr. 316873 (QS 9107)

For range and accuracy see SCS 0048 accreditation certificate.

Serien-Nr.

N° de série

Serial N°

Messbereich

Plage de mesure

Measuring Range

Baujahr

Année de fabrication

Year of construction

16112

90-110 Liters/Minute

2014

Adjustment for: MBV AG, Industriestr. 9, CH-8712 Stäfa, Tel. +41 (0)44 928 30 80

Measurement		90 L/Min.	100 L/Min.	110 L/Min.	temperature	pressure
Reference	L/Min.	90.0	100.0	110.0	22.8 °C	949 mbar*
Examinee	L/Min.	89.9	99.8	110.1	22.6 °C	948 mbar
Deviation	L/Min.	-0.1	-0.2	+0.1	-0.2 °C	-1 mbar

Uncertainty of target value of the volume: $U_{95} = \pm 0,3 \%$

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

*ambient conditions for information not under accreditation

Dieses Kalibrierzertifikat dokumentiert die Rückführbarkeit auf nationale Normale zur Darstellung der physikalischen Einheiten (SI).

Ce certificat d'étalonnage confirme le raccordement aux étalons nationaux qui matérialisent les grandeurs physiques (SI).

This calibration certificate documents the traceability to national standards, which realize the physical units of measurement (SI).

Datum der Justage / Adjustment Date

Ort und Datum

place and Date

Luzern, 30. Jun 2017

Leiter der Kalibrierstelle

Calibration Manager

29. Jun 2017

i. A. Winiger X.

i.A Winiger Xavier

The content of this certificate may only be used or distributed in its complete form. The stated results refer exclusively to the aforementioned measuring devices.



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110-286630

16.06.2017

KALIBRIERZERTIFIKAT (EINGANG) **CERTIFICAT D'ETALONNAGE (ENTREE)** **INCOMING MEASUREMENT (AS FOUND)**

tested as per internal test regulations AE02-A0423+Q

Gegenstand

Objet

Object

Hersteller

Fabricant

Manufacturer

Typ

Type

Type

Bemerkungen

Remarques

Remark

Serien-Nr.

N° de série

Serial N°

Messbereich

Plage de mesure

Measuring Range

Baujahr

Année de fabrication

Year of construction

16112

90-110 Liters/Minute

2014

MBV AG Stäfa

DA - 100 NT

Calibration for: MBV AG, Industriestr. 9, CH-8712 Stäfa, Tel. +41 (0)44 928 30 80

Normal/Teststandard:

Flow meter Instromet IRM-A, Fabr. Nr. 316873 (QS 9107)

For range and accuracy see SCS 0048 accreditation certificate.

Measurement		90 L/Min.	100 L/Min.	110 L/Min.	temperature	pressure
Reference	L/Min.	90.0	100.0	110.0	22.8 °C	949 mbar*
Examinee	L/Min.	87.0	97.1	108.2	22.6 °C	948 mbar
Deviation	L/Min.	-3.0	-2.9	-1.8	-0.2 °C	-1 mbar
Deviation last Calibration	L/Min.	-0.1	-0.1	+0.1	Auftrags-Nr.: 110-267002	Datum: 16.06.2016

Uncertainty of target value of the volume: $U_{95} = \pm 0,3 \%$

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

*ambient conditions for information not under accreditation

Dieses Kalibrierzertifikat dokumentiert die Rückführbarkeit auf nationale Normale zur Darstellung der physikalischen Einheiten (SI).
Ce certificat d'étalonnage confirme le raccordement aux étalons nationaux qui matérialisent les grandeurs physiques (SI).
This calibration certificate documents the traceability to national standards, which realize the physical units of measurement (SI).

Datum der Eingangsprüfung / Date of Incoming Measurement

Ort und Datum

place and Date

Luzern, 30. Jun 2017

Leiter der Kalibrierstelle

Calibration Manager

29. Jun 2017

i. A. Winiger X.
i. A. Winiger Xavier