



**Member State**  
**Switzerland**

**OIML Certificate No.**  
**R076/2006-A-CH1-2019.01**

## OIML-CS CERTIFICATE ISSUED UNDER SCHEME A

### *Issuing authority*

*Name* **Federal Institute of Metrology METAS**  
Conformity Evaluation Body METAS-Cert

*Address* Lindenweg 50, 3003 Bern-Wabern, Switzerland

*Person responsible* Gulian Couvreur, Head of METAS-Cert

### *Applicant*

*Name* Sartorius Lab Instruments GmbH & Co KG

*Address* Otto-Brenner-Strasse 20, 37079 Göttingen, Germany

*Manufacturer* The manufacturer of the certified pattern is the applicant.

### *Identification of the certified type*

*Type* **Precision and analysis balances BC-E Line**

*Module* **BC-EB, BC-ED, BC-EE, BC-EF, BC-EG, BC-EH**

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):



**OIML R 76-1, edition 2006**

for accuracy class(es) (I), (II)

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

# Annex to OIML-CS Certificate No R076/2006-A-CH1-2019.01

## Metrological characteristics

Type	BC-EB	BC-EB	BC-ED
Accuracy Class	Ⓛ	Ⓜ	Ⓜ
Max	50 g ... 220 g	0.1 g ... 100 g	1 g ... 650 g
e	1 mg ... 2 mg	1 mg ... 2 mg	0.01 g ... 0.1 g
d	0.1 mg ... 2 mg	0.1 mg ... 2 mg	0,001 g ... 0.1 g
n	≤ 220,000	≤ 100,000	≤ 65,000
Tare-balancing range	until 100% of Max		
Temperature range 1	+17 °C / +27 °C	+10 °C / +30 °C	+10 °C / +30 °C
Temperature range 2 <sup>1)</sup>	+10 °C / +30 °C	+10 °C / +30 °C	+10 °C / +30 °C
Nominal capacity of the load receptor	264 g	264 g	780 g
Initial zero setting + dead load <sup>2)</sup>	≤ 214 g	≤ 263 g	≤ 779 g
Maximum weighing pan size	Ø 90 mm	Ø 90 mm	Ø 120 mm

Type	BC-EE	BC-EF
Accuracy Class	Ⓜ	
Max	500 g ... 6200 g	500 g ... 6200 g
e	0.1 g ... 1 g	0.1 g ... 1 g
d	0.01 g ... 1 g	0.01 g ... 1 g
n	≤ 62000	≤ 62000
Tare-balancing range	until 100% of Max	
Temperature range	+10 °C / +30 °C	
Nominal capacity of the load receptor	7440 g	7440 g
Initial zero setting + dead load <sup>2)</sup>	≤ 6940 g	≤ 6940 g
Maximum weighing pan size	180 mm x 180 mm	Ø 180 mm

Typ / Type	BC-EG	BC-EH
Accuracy Class	Ⓜ	
Max	5000 g ... 12200 g	5000 g ... 12200 g
e	1 g	1 g
d	0.1 g ... 1 g	0.1 g ... 1 g
n	≤ 12,200	≤ 12,200
Tare-balancing range	until 100% of Max	

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Temperature range	+10 °C / +30 °C	
Nominal capacity of the load receptor	14640 g	14640 g
Initial zero setting + dead load <sup>2)</sup>	≤ 9640 g	≤ 9640 g
Maximum weighing pan size	180 mm x 180 mm	Ø 180 mm

<sup>1)</sup> Only for weighing instruments with incorporated span adjustment device being automatically released.

<sup>2)</sup> The sum of Max, initial zero setting range and dead load shall not exceed the nominal load of the load receptor.

*The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation reports:*

No.	Date	Including pages
133-08523	20.08.2019	52
6030-1189	24.09.2019	13

*The technical documentation relating to the identified type is contained in documentation file:*

Name	Date	Including pages
CH-W1-19027-00_DE_SARTORIUS_Doc_List_TEC	24.09.2019	4

*OIML Certificate History:*

Revision No.	Date	Description of the modification
00	24.09.2019	First issue

### The OIML Issuing Authority CH1

3003 Bern-Wabern, 24 September 2019

Approved by

Gulian Couvreur, Head of sector  
METAS-Cert



*Important note:*

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