



**Member State**  
**Switzerland**

**OIML Certificate No.**  
**R076/2006-A-CH1-2019.04 Rev. 5**

## 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*

*Name* **Sartorius Scientific Instruments (Beijing) Co, Limited**

*Address* Yu An Road No. 33, Zone B  
Tianzhu Airport Industrialzone, Shunyi District,  
101 300 Beijing  
PR China

*Identification of the certified type*

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

*Module* **BC-EA to BC-EH, BC-AA to BC-AH**

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 classes (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 the OIML-CS Certificate No R076/2006-A-CH1-2019.04 Revision 5

### Metrological characteristics

Type	BC-EA BC-AA	BC-EB BC-AB	BC-EB BC-AB
Accuracy Class	I	I	II
Max	50 g - 320 g	50 g - 220 g	0,1 g - 100 g
e	1 mg - 2 mg	1 mg - 2 mg	1 mg - 2 mg
d	0.1 mg - 2 mg	0.1 mg - 2 mg	0.1 mg - 2 mg
n	≤ 320 000	≤ 220 000	≤ 100 000
Tare-balancing range	until 100% of Max		
Temperature range 1	+17 °C / +27 °C	+17 °C / +27 °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	384 g	264 g	264 g
Initial zero setting + dead load <sup>2)</sup>	≤ 234 g	≤ 214 g	≤ 263 g
Maximum weighing pan size	Ø 90 mm	Ø 90 mm	Ø 90 mm

Type	BC-EC BC-AC	BC-ED BC-AD
Accuracy Class	I	II
Max	500 g – 1 500 g	1 g - 650 g
e	10 mg - 20 mg	0.01 g – 0.1 g
d	1 mg - 20 mg	0.001 g – 0.1 g
n	≤ 150 000	≤ 65 000
Tare-balancing range	until 100% of Max	
Temperature range 1	+17 °C / +27 °C	+10 °C / +30 °C
Temperature range 2 <sup>1)</sup>	+10 °C / +30 °C	+10 °C / +30 °C
Nominal capacity of the load receptor	1 800 g	780 g
Initial zero setting + dead load <sup>2)</sup>	≤ 1300 g	≤ 779 g
Maximum weighing pan size	Ø 120 mm	Ø 120 mm

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Type	BC-EE BC-AE	BC-EF BC-AF
Accuracy Class	(II)	
Max	500 g - 6 200 g	500 g - 6 200 g
e	0.1 g - 1 g	0.1 g - 1 g
d	0.01 g - 1 g	0.01 g - 1 g
n	≤ 62 000	≤ 62 000
Tare-balancing range	until 100% of Max	
Temperature range 1	+10 °C / +30 °C	
Nominal capacity of the load receptor	7 440 g	7 440 g
Initial zero setting + dead load <sup>2)</sup>	6 940 g	6 940 g
Maximum weighing pan size	180 mm x 180 mm	Ø 180 mm

Type	BC-EG BC-AG	BC-EH BC-AH
Accuracy Class	(II)	
Max	5 000 g - 12 200 g	5 000 g - 12 200 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	
Temperature range	+10 °C / +30 °C	
Nominal capacity of the load receptor	14 640 g	14 640 g
Initial zero setting + dead load <sup>2)</sup>	≤ 9 640 g	≤ 9 640 g
Maximum weighing pan size	180 mm x 180 mm	Ø 180 mm

## Annex to the OIML-CS Certificate No R076/2006-A-CH1-2019.04 Revision 5

Type	BC-EK
Accuracy Class	Ⓛ
Max	50 g – 95 g
e	1 mg
d	0.01 mg - 1 mg
n	≤ 95 000
Tare-balancing range	until 100% of Max
Temperature range 1	+17 °C / +27 °C
Temperature range 2 <sup>1)</sup>	+10 °C / +30 °C
Nominal capacity of the load receptor	114 g
Initial zero setting + dead load <sup>2)</sup>	≤ 64 g
Maximum weighing pan size	Ø 90 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.

## Annex to the OIML-CS Certificate No R076/2006-A-CH1-2019.04 Revision 5

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

<b>No.</b>	<b>Date</b>	<b>Including pages</b>
6030-01225-05	2022-06-16	21

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

<b>Name</b>	<b>Date</b>	<b>Including pages</b>
R076_2006-A-CH1-2019.04_Rev_05_LERD_V01	2022-06-16	8

### *OIML Certificate History:*

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
00	2019-09-24	First issue
01	2020-09-21	Extension to the types BC-EA to BC-EH, BC-AA to BC-AH
02	2020-11-03	Editorial changes
03	2021-04-15	Rebranding, new design
04	2021-08-12	Extension to the types BC-EK, version of software
05	2022-06-16	Version of software added, reinforcement of power connector (only in documentation)

### **The OIML Issuing Authority CH1**

3003 Bern-Wabern, 2022-06-16

*Approved by*

Gulian Couvreur, Head of sector  
METAS-Cert



*Important note:*

Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full