OIML Member State Germany	**OIML Certificate No.** **R76/2006-A-DE1-2018.02 4**

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name:	Physikalisch-Technische Bundesanstalt, Conformity Assessment Body
Address:	Bundesallee 100, 38116 Braunschweig, GERMANY
Person responsible:	Dr.-Ing. Prof. h. c. Frank Härtig

Applicant

Name:	Sartorius Lab Instruments GmbH & Co.KG
Address:	Otto-Brenner-Str. 20, 37079 Göttingen

Manufacturer

Name:	Sartorius Lab Instruments GmbH & Co.KG
Address:	Otto-Brenner-Str. 20, 37079 Göttingen

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

Non-automatic electromechanical high accuracy weighing instrument
Type: MCA, MCE

Designation of the module *(if applicable)*

Digital data processing device

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 Edition (year): 2006

For accuracy class (if applicable): 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.

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

No. 1.12-4090060 dated 14.04.2023 that includes 25 pages

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

No. ZDS-R76/2006-A-DE1-2018.02 Revision 4 dated 14.04.2023 that includes 24 pages

OIML Certificate History

Revision No.	Date	Description of the modification
0	22.02.2019	Initial Issuing
1	23.05.2019	Further software version, correction of metrological characteristics and corrected test report
2	08.07.2020	Further software version
3	16.04.2021	New menu button in the display
4	14.04.2023	New weighing modules, further software version

Identification, signature and stamp

The Issuing Authority

Dr.-Ing. Oliver Mack

Member of Conformity Assessment Body

Date: 14.04.2023

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.

Identification of the certified type (continued)
Metrological characteristics of the pattern:

Weighing module type		-A	-B	-C
Accuracy class		(I)	(I)	(I)
Minimum load Min	mg	0,01 - 1	0,1 - 1	1 - 100
Maximum capacity Max	g	≤ 2,1	≤ 10,1	50 - 220
Verification scale interval e	mg	1	1	1
Actual scale interval d	mg	0,0001 - 0,01	0,001 - 0,01	0,01 - 1
Number of verification scale intervals n		≤ 2100	≤ 10100	≤ 220000
Tare range (subtractive)	• Max	100%	100%	100%
Preset tare range	• Max	100%	100%	100%
Maximum weighing pan size	Ø mm	90	90	150

Weighing module type		-D	-E	-F
Accuracy class		(I)	(I)	(I)
Minimum load Min	g	0,01 - 1	0,1 - 10	1 - 10
Maximum capacity Max	g	50 - 520	500 - 5200	5000 - 14200
Verification scale interval e	mg	1 - 10	10 - 100	100
Actual scale interval d	mg	0,1 - 10	1 - 100	10 - 100
Number of verification scale intervals n		≤ 520000	≤ 520000	≤ 142000
Tare range (subtractive)	• Max	100%	100%	100%
Preset tare range	• Max	100%	100%	100%
Maximum weighing pan size	Ø mm	150	140 x 140	206 x 206

Weighing module type		-G	-H	-I
Accuracy class		(II)	(II)	(II)
Minimum load Min	mg	20 - 5000	0,5 - 50	5 - 500
Maximum capacity Max	g	1 - 620	500 - 8200	5000 - 70200
Verification scale interval e	mg	10 - 100	100 - 1000	1000 - 10000
Actual scale interval d	mg	1 - 100	10 – 1000	100 - 10000
Number of verification scale intervals n		≤ 62000	≤ 82000	≤ 70200
Tare range (subtractive)	• Max	100%	100%	100%
Preset tare range	• Max	100%	100%	100%
Maximum weighing pan size	Ø mm	140 x 140	206 x 206	300 x 400

Weighing module type		-K	-L	-M
Accuracy class		(I)	(I)	(I)
Minimum load Min	mg	0,1 – 1	≥ 0,1	≥ 0,2
Maximum capacity Max	g	≤ 32	≤ 61	≤ 111
Verification scale interval e	mg	1	1	1
Actual scale interval d	mg	0,001 – 0,01	≥ 0,001	≥ 0,002
Number of verification scale intervals n		≤ 32000	≤ 61000	≤ 111000
Tare range (subtractive)	• Max	100%	100%	100%
Preset tare range	• Max	100%	100%	100%
Maximum weighing pan size	Ø mm	150	150	150

Weighing module type		-N
Accuracy class		(I)
Minimum load Min	mg	≥ 0,5
Maximum capacity Max	g	≤ 220
Verification scale interval e	mg	1
Actual scale interval d	mg	≥ 0,005
Number of verification scale intervals n		≤ 220000
Tare range (subtractive)	• Max	100%
Preset tare range	• Max	100%
Maximum weighing pan size	Ø mm	150