

Member State of OIML  
Germany



OIML Certificate No.  
**R76/2006-DE1-12.03**  
**Revision 4**

## OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

Name: Physikalisch-Technische Bundesanstalt  
Address: Bundesallee 100, 38116 Braunschweig  
Person responsible: Dr. O. Mack

### Applicant

Name: Sartorius Lab Instruments GmbH & Co. KG  
Address: Weender Landstr. 94-108, 37075 Göttingen  
GERMANY

Manufacturer of the certified type is the applicant.

**Identification of the certified type** Non-automatic electromechanical weighing instrument  
Type: SQP-...

Further characteristics see page 2

This Certificate attests the conformity of the above identified type (represented by the sample or samples identified in the associated Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**R76-1**, edition 2006,  
for accuracy classes  and 

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

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


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This 4<sup>th</sup> revision has been issued because two new types of load receptors have been added as well as new software versions.

The conformity was established by the results of tests and examinations provided in the associated Test Reports

No. 1.12-4057728/1	that includes 38 pages
No. 1.12-4057728/2	that includes 38 pages
No. 1.12-4057728/3	that includes 38 pages
No. 1.12-4057728/4	that includes 36 pages
No. 1.12-4057728/5	that includes 47 pages
No. 1.12-4057728/6	that includes 38 pages
No. 1.12-4057728/7	that includes 39 pages
No. 1.12-4057728/8	that includes 48 pages
No. 1.12-4057728/9	that includes 39 pages
No. 1.12-4057728/10	that includes 48 pages
No. 1.12-4057728/11	that includes 42 pages
No. 1.12-4057728/12	that includes 51 pages
No. 1.12-4057728/13	that includes 55 pages
No. 1.12-4057728/14	that includes 56 pages
No. 1.12-4057728/15	that includes 53 pages
No. 1.12-4057728/16	that includes 45 pages
No. 1.12-4057728/17	that includes 45 pages
No. M15-005-007-e	that includes 44 pages
No. M15-005-008-e	that includes 44 pages

**The Issuing Authority**



Michael Denzel  
Member of Certification Body

12.07.2016



**The CIML Member**



Dr. R. Schwartz  
Vice President

12.07.2016

Technical data:

Type	SQP-A	SQP-B	SQP-C
Class	(I)	(II)	
Max	50 g ... 220 g	1 g ... 610 g	500 g ... 6100 g
e =	1 mg ... 2 mg	10 mg ... 100 mg	0,1 g ... 1 g
d =	0,1 mg ... 2 mg	1 mg ... 100 mg	0,01 g ... 1 g
n ≤	220000	61000	61000
Tare-balancing range ≤	100 % of Max	100 % of Max	100 % of Max
Temperature range	+ 17 °C / + 27 °C	+ 10 °C / + 30 °C	+ 10 °C / + 30 °C
Temperature range <sup>1)</sup>	+ 10 °C / + 30 °C	+ 10 °C / + 30 °C	+ 10 °C / + 30 °C
Nominal load of load receptor <sup>2)</sup>	230 g	630 g	6300 g
Initial zero-setting range + dead load ≤	180 g	629 g	5800 g

type	SQP-D	SQP-E
class	(II)	
Max	500 g ... 2100 g	5000 g ... 6100 g
e =	0,1 g ... 0,2 g	1 g
d =	0,01 g ... 0,2 g	0,1 g ... 1 g
n ≤	21000	6100
Tare-balancing range ≤	100 % of Max	100 % of Max
Temperature range	+ 10 °C / + 30 °C	+ 10 °C / + 30 °C
Nominal load of load receptor <sup>2)</sup>	2300 g	6300 g
Initial zero-setting range + dead load ≤	1800 g	1300 g

type	SQP-F	SQP-G
class	(I)	
Max	≤ 220 g	50 g ... 320 g
e =	1 mg	1 mg ... 5 mg
d =	≥ 0,01 mg	0,1 mg ... 5 mg
n ≤	220000	320000
Tare-balancing range ≤	100 % von / of Max	100 % von / of Max
Temperature range	+ 17 °C / + 27 °C	+ 17 °C / + 27 °C
Temperature range <sup>1)</sup>	+ 10 °C / + 30 °C	+ 10 °C / + 30 °C
Nominal load of load receptor <sup>2)</sup>	260 g	360 g
Initial zero-setting range + dead load	260 g ... Max	≤ 310 g

Supplement within the scope of 4<sup>th</sup> revision dated 12.07.2016:

Table 4

type	SQP-H	SQP-I
class	(I)	
Max	≤ 21 g	500 g ... 1100 g
e =	1 mg	10 mg ... 20 mg
d =	≥ 0,002 mg	1 mg ... 20 mg
n ≤	21000	110000
Tare-balancing range ≤	100 % of Max	100 % of Max
Temperature range	+17 °C ... +27 °C	+17 °C ... +27 °C
Temperature range <sup>1)</sup>	+10 °C ... +30 °C	+10 °C ... +30 °C
Nominal load of load receptor <sup>2)</sup>	25 g	1320 g
Initial zero-setting range + dead load	25 g ... Max	≤ 820 g4

<sup>1)</sup> Only for weighing instruments with incorporated span adjustment device with automatic release.

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

**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 Test Report(s) is not permitted, although either may be reproduced in full.