

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R51/1996-DE1-03.03
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Sartorius Aachen GmbH & Co. KG
Address: Am Gut Wolf 11
52070 Aachen
Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type Automatic catchweighing instrument
Types EWK xyz and SYNUS xx

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):

R51-1, edition 1996
for accuracy classes X(1) and Y(a)

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 revision is issued because the new load cell series WZGP-XX-S is added, see Report N° 1.12-4016060 (12 pages) and Test Reports N° 1.12-4016060/1 (61 pages) and N° 1.12-4016060/2 (15 pages).

The former Report N° 1.14-03000040 (64 pages) is substituted by the reports mentioned above.

Furthermore, the name of the company "Dr. Hans Boekels GmbH & Co." is changed to "Sartorius Aachen GmbH & Co. KG".

The Issuing Authority

Dr. P. Zervos
Regierungsdirektor

2005-02-18

The CIML Member

Prof. Dr. M. Kochsiek
Vizepräsident

2005-02-18

Identification of the pattern (continued)

accuracy class	X(1)	Y(a)
belt speed	$\leq 1,5 \text{ m/s}$	$\leq 1 \text{ m/s}$
power supply voltage	230 V AC, 50/60 Hz	
temperature range	0 °C / +40 °C	
number n of verification scale intervals	≤ 10000 (0,1 g $\leq e \leq 2$ g) ≤ 6000 (5 g $\leq e \leq 10$ g)	
verification scale interval e	0,1 g $\leq e \leq 2$ g (n ≤ 10000) 5 g $\leq e \leq 10$ g (n ≤ 6000)	
maximum load Max	$\leq 60000 \text{ g}$	
minimum load Min	$\geq 5 \text{ g}$	$\geq 20e$ $\geq 5e$ (for postal scales)
electromagnetical force compensation load cell	type series WZ XX,XX M or WZGP-XX-S	

Table 3-1: Technical data of the scale series EWK and SYNUS for static and dynamic weighing

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