

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 109**

of **VWR International B.V.**
Avantor Services

This annex is valid from: **25-05-2023** to **01-06-2027**

Replaces annex dated: **29-03-2023**

Location(s) where activities are performed under accreditation

Head Office

Heinz Moormannstraat 4
5831 AW
Boxmeer
The Netherlands

Location	Abbreviation/ location code
Heinz Moormannstraat 4 5831 AW Boxmeer The Netherlands	NL
Brynsalleen 4 0667 Oslo Norway	NO
Geldenaaksebaan 464 3001 Leuven Belgium	BE
Tobaksvejen 21 2860 Søborg Denmark	DN
John-Deere-Straße 5 76646 Bruchsal Germany	DE
On-site at the customer	NL-O, BE-O, DN-O, DE-O

This annex has been approved by the Board of the
Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

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HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
MW 1 0	MASS			Starting from DUT resolution:	
MW 1 2	Weighing instruments	1 mg – 200 kg	9 µg – 64 g		DN-O
		(1 – 5) mg	9 µg	0.1 µg	NL-O, BE-O
		(5 – 10) mg	9 – 11 µg		
		(10 – 20) mg	11 – 14 µg		
		(20 – 50) mg	14 – 17 µg		
		(50 – 100) mg	17 – 23 µg		
		(100 – 200) mg	23 – 29 µg		
		(200 – 500) mg	29 – 36 µg		
		(500 – 1000) mg	36 – 43 µg		
		(1 – 2) g	0.04 – 0.06 mg		
		(2 – 5) g	0.06 – 0.08 mg	1 µg	
		(5 – 10) g	0.09 – 0.11 mg	10 µg	
		(10 – 20) g	0.11 – 0.15 mg		
		(20 – 50) g	0.15 – 0.24 mg		
		(50 – 100) g	0.24 – 0.44 mg		
		(100 – 200) g	0.44 – 0.84 mg		
		(200 – 500) g	0.9 – 2.2 mg	0.1 mg	
		(500 – 1000) g	3.0 – 4.8 mg	1 mg	
		(1000 – 2000) g	4.8 – 17 mg		
		(2000 – 5000) g	17 – 42 mg		
		(5 – 10) kg	48 – 87 mg	10 mg	
		(10 – 14) kg	0.087 – 0.12 g		
		(14 – 20) kg	0.27 – 0.32 g	100 mg	
		(20 – 50) kg	0.32 – 0.62 g		
		(50 – 70) kg	0.62 – 0.85 g		

¹ Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty, U , is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

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MW 1 2	Weighing instruments	(70 to 100) kg	3.0 to 4.2 g	0.2 g	NL-O, BE-O
		(100 to 150) kg	41 g	10 g	
		(150 to 200) kg	64 g	100 g	
DV 1 0	DENSITY AND VISCOSITY				
DV 1 1	Mass, volume and density of gases and liquids				
	Mechanically and electronically Piston-operated volumetric apparatus	(0.1 – 30) µl	0.040 µl		NL-O, DN-O, BE-O
		(0.1 – 2) µl	0.007 µl		NL, NO, DE-O
		(2 – 5) µl	0.008 µl		NL, NO, DE-O
		(5 – 10) µl	0.014 µl		NL, NO, DE-O
		(10 – 30) µl	0.040 µl		NL, NO, DE-O
		(30 – 45) µl	0.070 µl		NL, NO, BE-O, NL-O, DN-O, DE-O
		(45 – 55) µl	0.085 µl		
		(55 – 65) µl	0.095 µl		
		(65 – 80) µl	0.001 44·V		
		(80 – 100) µl	0.001 41·V		
		(100 – 180) µl	0.001 39·V		
		180 µl – 130 ml	0.001 35·V		
		(130 – 160) ml	0.10 ml		NL, NL-O
		(160 – 180) ml	0.12 ml		
		(180 – 200) ml	0.13 ml		
		(200 – 220) ml	0.14 ml		

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HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
TE 0 0	TEMPERATURE				
TE 1 2	Platinum resistance sensors	-90 °C to 125 °C	0.13 K	Dry-block calibrator	NL
		-60 °C to 250 °C	0.07 K	Liquid bath	
		250 °C to 500 °C	1.61 K	Tube furnace	
		500 °C to 850 °C	2.65 K		
TE 4 1	Thermometers with read-out	-60 °C to 250 °C	0.07 K	Liquid bath	NL
		-35 °C to 140 °C	0.31 K	Climate cabinet	
		250 °C to 500 °C	1.62 K	Tube furnace	
		500 °C to 800 °C	2.41 K		
		800 °C to 1000 °C	2.66 K		
		-90 °C to 125 °C	0.13 K	Dry-block calibrator	NL
		-90 °C to 125 °C	0.21 K	Dry-block calibrator	NL-O
TE 4 2	Liquid-in-glass thermometers	-80 °C to -60 °C	0.40 K	Liquid bath	NL
		-60 °C to 250 °C	0.07 K		
TE 12 0	Temperature controlled chambers	-90 °C to 250 °C	0.16 K	One point calibration	NL, NL-O
		-90 °C to -60 °C	0.27 K	Multipoint calibration	
		-60 °C to 180 °C	0.21 K		

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HCS code	Measured quantity, Range	Frequency	CMC¹	Remarks	Location
TE 13 0	Other temperature enclosures	-90 °C to 250 °C	0.16 K	One point calibration	NL, NL-O
		-90 °C to -60 °C	0.27 K	Multipoint calibration	
		-60 °C to 180 °C	0.21 K		
		20 °C to 100 °C	0.19 K	Thermocycler; direct measurement in block	

Remarks:

The temperature of the environment for the calibration in the laboratory is nominal 20 °C.

RAAD VOOR ACCREDITATIE

Dutch Accreditation Council RvA
PO Box 2768 NL-3500 GT Utrecht



The Dutch Accreditation Council RvA, by law appointed as the national accreditation body for The Netherlands, hereby declares that accreditation has been granted to:

VWR International B.V. Avantor Services Boxmeer

The organisation has demonstrated to be able to generate technical valid results in a competent way and work according to a management system.

This accreditation is based on an assessment against the requirements as laid down in EN ISO/IEC 17025:2017.

The accreditation covers the activities as specified in the authorized annex bearing the registration number.

The accreditation is valid provided that the organisation continues to meet the requirements.

The accreditation with registration number:

K 109

is granted on 26 May 1999

This declaration is valid until

1 June 2027

The board of the Dutch Accreditation Council,
on its behalf,


mr. J.A.W.M. de Haas