Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2005
Registration number: **K 163**

of **NMi Certin B.V.**

This annex is valid from: **28-12-2018** to **01-05-2020** Replaces annex dated: **12-09-2018**

Location(s) where activities are performed under accreditation

Head Office

Thijsseweg 11
2629 JA
Delft
The Netherlands

Location[1]	Abbreviation/ location code
Thijsseweg 11 2629 JA Delft The Netherlands	DE

HCS code	Measured quantity, Instrument, Measure	Range	CMC[2]	Remarks	Location
FQ 00	Tension and compression testing machines Creep testing machines Fatigue testing machines Load cells			ISO 7500-1 ISO 7500-2 EN 12390-4 ASTM E4	DE
	- compression force	0.2 N - 9 MN	$2.5 \cdot 10^{-3} \cdot F$		
	- tensile force	0.5 N – 16.5 MN	$2.5 \cdot 10^{-3} \cdot F$		
	- force transfer - dead weight tester	(100 - 200) kN (200 - 2000) kN 10 N – 250 kN	0.02·f 0.01·f $1 \cdot 10^{-4} \cdot F$	f = factor ISO 376	

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

J.A.W.M. de Haas
Director of Operations

[1] Until 28 February 2019 NMi Certin B.V. still performs accredited activities on the Dordrecht premise.
[2] 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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HCS code	Measured quantity, Instrument, Measure	Range	CMC[2]	Remarks	Location
DM 20	Displacement	(5 - 150) mm (150 - 900) mm	0.05 mm 0.16 mm	ISO 5893	DE
	Rate of displacement	(1 - 60) mm/min	0.5 %	ISO 12048	
TQ 00	Pendulum impact Energy testing machines	(0.5 - 750) J	$4.7 \cdot 10^{-3} \cdot E$	EN 10045-2 DIN 51222	DE
RM 30	Hardness meters	Brinell Vickers Rockwell		ISO 6506-2; ASTM E 10 ISO 6507-2; ASTM E 384 ISO 6508-2; ASTM E 18	DE
	- test force	0.2 N – 29.42 kN	$2.5 \cdot 10^{-3} \cdot F$		
	- displacement	up to 0.2 mm	0.4 µm		
	- dimension of the depression	(0.02 – 0.2) mm (0.2 – 5.2) mm	0.7 µm 0.3 %		
	- indirect verification with reference blocks	Brinell Vickers Rockwell	2.0 % 2.0 % 3.0 % or 1.2 units		
DM 20	Extensometers				DE
	- displacement	(0 - 60) mm	$0.2 \text{ µm} + 2 \cdot 10^{-6} \cdot l$	ISO 9513	

Remark:
All calibrations can also be performed on site.