

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-EP-11183-01-00 according to DIN EN ISO/IEC 17043:2010

Valid from: 30.04.2019

Date of issue: 30.04.2019

Holder of certificate:

**IfEP Institut für Eignungsprüfung GmbH
Daimlerstraße 8, 45770 Marl**

Proficiency testing in the fields:

Materials technology, especially destructive and non-destructive testing, determination of physical properties, metallography, corrosion testing, emission spectrometry on metals and dimensional measurement techniques

The proficiency test provider keeps a current list of proficiency tests in the accredited area.

Testing Field	Proficiency Test Item	Measurand / Test Parameter	Name of the Proficiency Testing-Programms*
Mechanical - technological	Metal specimens	Tensile test Stress- and strain values	Tensile test Aluminium, Steel, round specimens, flat specimens
		Hardness testing Hardness values	Hardness testing Brinell, Rockwell, Vickers, mobile hardness testing
		Charpy impact test Impact toughness	Charpy impact test machined specimens, un-machined specimens

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Testing Field	Proficiency Test Item	Measurand / Test Parameter	Name of the Proficiency Testing-Programms*
		Bend test Stress- and strain values ISO 7438	Bend test
		Corrosion test Mass loss ASTM A262 ISO 9227	Resistance to intergranular corrosion, indirect verification of salt spray chamber, respectively.
Emission spectrometry	Metal specimens	Elements Content of elements	Emission spectrometry steel, non-ferrous metals
Metallography	Metal specimens	Microstructure analysis Grain size ISO 643, phase content, purity EN 10247	Metallography, Optical imaging
		Microstructure imprint Replica-Technique Assessment of structure and assessment of creep damage VGB-TW-S-517-00	Metallography, Specimen preparation
Non destructive testing	Metal specimens/ weld seam	Ultrasonic testing (UT) Shape and position of flaws	Non destructive testing UT
		Radiographic testing (RT) Shape and position of flaws	Non destructive testing (RT)
		Magnetic particle testing (MT) Shape and position of flaws	Non destructive testing (MT)
		Visual testing (VT) Shape and position of flaws	Non destructive testing (VT)
		Penetration testing (PT) Shape and position of flaws	Non destructive testing (PT)
		Eddy current testing (ET) Shape and position of flaws	Non destructive testing (ET)

-Translation-

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Testing Field	Proficiency Test Item	Measurand / Test Parameter	Name of the Proficiency Testing-Programms*
	Density series	Density testing Optical density	Optical density
Dimensional measurement techniques	Construction parts, components	Tactile and optical coordinate measurement techniques Form and position	Coordinate measuring tactile and optial
	Gauge blocks	Micrometre gauge / calliper gauge Length, diameter, depth	Length measurement

* Examples

Abbreviations used:

DIN Deutsches Institut für Normung e.V.
 EN European Standard
 ISO International Standardisation Organisation
 ASTM American Society for Testing and Materials

-Translation-

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