

Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV

Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the reference material producer

IfEP Institut für Eignungsprüfung GmbH
Daimlerstraße 8, 45770 Marl

is competent under the terms of DIN EN ISO 17034:2017 to produce reference materials in the area:

Production of certified reference material in the field of materials testing

- Tensile test: Flat- and Round specimen
- Charpy impact test: Charpy-V-notch reference specimen

The accreditation certificate shall only apply in connection with the notice of accreditation of 30.04.2019 with the accreditation number D-RM-11183-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 3 pages.

Registration number of the certificate: **D-RM-11183-01-00**

Berlin,
30.04.2019

Dr. Heike Manke
Head of Division

Translation issued:
12.02.2020


Head of Division

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>

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

See notes overleaf.

Deutsche Akkreditierungsstelle GmbH

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60327 Frankfurt am Main

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The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkkS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkkS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkkS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:

EA: www.european-accreditation.org

ILAC: www.ilac.org

IAF: www.iaf.nu

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-RM-11183-01-00 according to DIN EN ISO 17034:2017

Valid from: 30.04.2019

Date of issue: 30.04.2019

Holder of certificate:

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

Reference material production in the fields:

Production of certified reference material in the field of materials testing

- **Tensile test: Flat- and Round specimen**
- **Charpy impact test: Charpy-V-notch reference specimen**

The reference material producer keeps a current list of certified reference materials in the accredited area.

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

*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>*

1 Certified Round Reference Specimen

Product	Property	Range	Relative uncertainty* in % of reference value	Characterization Strategy
Round test specimens made of metal; Nominal diameter: 5 mm - 16 mm	Tensile strength	(200 - 1.500) MPa	0,8	c und d)
	Proof strength	(180 - 1.200) MPa	0,8	c)
	Elongation after fracture	(8 - 40) %	0,5	c)
	Reduction of area after fracture	(8 - 50) %	0,5	c)

*) expanded, combined measurement uncertainty (k for a confidence level of 95%)

- c) Characterization of the measurand using a network of competent laboratories according to ISO 17034 clause 7.12.3 Note 1c).
- d) Value transfer from an RM to a closely matched candidate RM performed using a single measurement procedure performed by one laboratory according to ISO 17034 clause 7.12.3 Note 1d).

2 Certified Flat Reference Specimen

Product	Property	Range	Relative uncertainty* in % of reference value	Characterization Strategy
Flat test specimens made of metal; 0,1 mm - 3 mm	Tensile strength	(180- 1.000) MPa	0,4	c)
	Proof strength	(150 - 1.000) MPa	0,8	c)
	Elongation after fracture	(10 - 50) %	0,5	c)
Flat test specimens made of metal; > 3 mm	Tensile strength	(250 - 1.000) MPa	0,4	c)
	Proof strength	(180 - 1.000) MPa	0,7	c)
	Elongation after fracture	(10 - 50) %	0,5	c)

*) expanded, combined measurement uncertainty (k for a confidence level of 95%)

- c) Characterization of the measurand using a network of competent laboratories according to ISO 17034 clause 7.12.3 Note 1c).

3 Certified Charpy- Reference specimen

Product	Property	Range	Uncertainty*	Characterization Strategy
Charpy specimens made of metal V-Notch 2 mm striker	Impact energy	(15 - < 40) J (40 - 300) J	1 J 6% of reference value	c) und d)
Charpy specimens made of metal V-Notch 8 mm striker	Impact energy	(15 - < 40) J (40 - 300) J	1,2 J 6% of reference value	c) und d)

*¹⁾ expanded, combined measurement uncertainty (k for a confidence level of 95%)

- c) Characterization of the measurand using a network of competent laboratories according to ISO 17034 clause 7.12.3 Note 1c).
- d) Value transfer from an RM to a closely matched candidate RM performed using a single measurement procedure performed by one laboratory according to ISO 17034 clause 7.12.3 Note 1d).