

## Deutsche Akkreditierungsstelle GmbH

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

Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

# Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

**Salzgitter Mannesmann Forschung GmbH**  
**Labor Metallografie und Metallkunde**  
**Eisenhüttenstraße 99, 38239 Salzgitter**

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out tests in the following fields:

**metallographic examination and hardness tests at steels and stainless steels**

The accreditation certificate shall only apply in connection with the notice of accreditation of 03.12.2020 with the accreditation number D-PL-11278-02. 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-PL-11278-02-00**

Frankfurt am Main,  
03.12.2020

Dipl.-Ing. (FH) Ralf Egnér  
Head of Division

Translation issued:  
02.02.2021

Head of Division



*The certificate together with the annex reflects the status as indicated by the date of issue.  
The current status of any given scope of accreditation may be found respectively 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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Spittelmarkt 10  
10117 Berlin

Standort Frankfurt am Main  
Europa-Allee 52  
60327 Frankfurt am Main

Standort Braunschweig  
Bundesallee 100  
38116 Braunschweig

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) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council setting out the requirements for accreditation and market surveillance relating to the marketing of products. 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 Co-operation (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](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)



**Annex to the accreditation certificate D-PL-11278-02-00**

DIN 50602 1985-09	Metallographic examination - microscopic examination of special steels using standard diagrams to assess the content of non-metallic inclusions <i>(withdrawn standard)</i>
DIN EN ISO 643 2020-06	Steels - Micrographic determination of the apparent grain size
DIN EN ISO 3887 2018-05	Steels - Determination of depth of decarburization
DIN EN 10247 2017-09	Micrographic examination of the non-metallic inclusion content of steels using standard pictures
DIN EN 10229 1998-11	Evaluation of resistance of steel products to hydrogen induced cracking (HIC) <i>(here only: chapter 8 and 9)</i>
NACE TM 0284 2016	Standard Test Method - Evaluation of Pipeline and Pressure Vessel steels for Resistance to Hydrogen-Induced Cracking <i>(hier nur: Abschnitt 9)</i>
ISO 4967 2013-07	Steel - Determination of content of non-metallic inclusions - Micrographic method using standard diagrams
SEP 1571 Teil 1 2017-08	Evaluation of inclusions in special steels based on their surface areas - Part 1: Basics
SEP 1571 Teil 2 2017-08	Evaluation of inclusions in special steels based on their surface areas - Part 2: Methods K and M

**2 Hardness tests**

ASTM E 384 2017	Standard Test Method for Microindentation Hardness of Materials
DIN EN ISO 6507-1 2018-07	Metallic materials - Vickers hardness test - Part 1: Test method

**Annex to the accreditation certificate D-PL-11278-02-00**

**Abbreviations used:**

ASTM	American Society for Testing and Materials
DIN	German Institute for Standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
NACE	International Corrosion Society
SEP	Steel-iron test sheets from the Association of German Ironworks