

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11278-02-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 23.05.2018 to 22.05.2023

Date of issue: 08.06.2018

Holder of certificate:

Salzgitter Mannesmann Forschung GmbH
Metallografische und metallkundliche Laboratorien
Eisenhüttenstraße 99, 38239 Salzgitter

Tests in the fields:

metallographic examination and hardness tests at steels and stainless steels

Abbreviations used: see last page

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

Metallographical examination

ASTM E 45 2018	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM E 112 2013	Standard Test Methods for Determining Average Grain Size
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(withdrawn standard)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 2013-05	Steels - Micrographic determination of the apparent grain size

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

DIN EN ISO 3887 2003-10	Steels - Determination of depth of decarburization
DIN EN 10247 2007-07	Micrographic examination of the non-metallic inclusion content of steels using standard pictures <i>(withdrawn standard)</i>
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>(here only: chapter 9)</i>
ISO 4967 2013-07	Steel - Determination of content of non-metallic inclusions - Micrographic method using standard diagrams
SEP 1571 Part 1 2017-08	Evaluation of inclusions in special steels based on their surface areas - Part 1: Basics
SEP 1571 Part 2 2017-08	Evaluation of inclusions in special steels based on their surface areas - Part 2: Methods K and M

Hardness tests

ASTM E 384 2017	Standard Test Method for Microindentation Hardness of Materials
DIN EN ISO 6507-1 2006-03	Metallic materials - Vickers hardness test - Part 1: Test method

abbreviations used:

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