

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11055-03-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 26.08.2019

Date of issue: 23.09.2019

Holder of certificate:

**Siemens Aktiengesellschaft
Gasturbinenwerk Berlin
Werkstoffprüflabor
Huttenstraße 12, 10553 Berlin**

Tests in the fields:

mechanical-technological and metallographic tests of steel- and ferrous materials as well as non-ferrous metal materials

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.

1 Mechanical-technological tests

DIN EN ISO 6506-1
2015-02 Metallic materials - Brinell hardness test - Part 1: Test method

DIN EN ISO 6507-1
2018-07 Metallic materials - Vickers hardness test - Part 1: Test method
(Modification: *Area HV 0,2 to HV 100*)

DIN EN ISO 7438
2016-07 Metallic materials - Bend test

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>*

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DIN EN ISO 4136 2013-02	Destructive tests on welds in metallic materials - Transverse tensile test
DIN EN ISO 5173 2012-02	Destructive tests on welds in metallic materials - Bend tests
DIN EN ISO 6892-1 2017-02	Metallic materials - Tensile testing - Part 1: Method of test at room temperature (here: <i>Method B</i>)
DIN EN ISO 6892-2 2018-09	Metallic materials - Tensile testing - Part 2: Method of test at elevated temperature (here: <i>Method B</i>)
DIN EN ISO 9015-1 2011-05	Destructive tests on welds in metallic materials - Hardness testing - Part 1: Hardness test on arc welded joints
DIN EN ISO 148-1 2017-05	Metallic materials - Charpy pendulum impact test - Part 1: Test method
ISO 18203 2016-12	Steel - Determination of the thickness of surface-hardened layers

2 Metallographic tests

DIN EN ISO 643 2013-05	Steels - Micrographic determination of the apparent grain size
DIN EN ISO 1463 2004-08	Metallic and oxide coatings - Measurement of coating thickness - Microscopical method
DIN EN ISO 2639 2003-04	Steels - Determination and verification of the depth of carburized and hardened cases
DIN EN ISO 3887 2018-05	Steels - Determination of the depth of decarburization
DIN EN 10328 2005-04	Iron and steel - Determination of the conventional depth of hardening after surface heating
DIN 50190-3 1979-03	Hardness depth of heat-treated parts; determination of the effective depth of hardening after nitriding

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DIN EN 10247 2017-09	Micrographic examination of the non-metallic inclusion content of steels using standard pictures
DIN 54150 1977-08	Non-destructive testing; impression methods for surface examination (Replica-technique) <i>(withdrawn standard)</i>
KWU-Arbeitsvorschrift AVS D 63A/000 1981-03	Determination of delta-ferrite content of ferrite-austenitic materials

Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
DVS	German Association for Welding and allied processes (Deutscher Verband für Schweißen und verwandte Verfahren e. V.)
EN	European Standard
ISO	International Organization for Standardization
KWU	Kraftwerks Union

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