

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-18462-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 06.12.2017 to 05.12.2022

Date of issue: 11.12.2017

Holder of certificate:

BIMAT Materialprüfungsgesellschaft mbH
Antonienstraße 10, 06749 Bitterfeld-Wolfen

at the locations:

Antonienstraße 10, 06749 Bitterfeld-Wolfen
Passower Chaussee, Geb. I 306, 16303 Schwedt

Tests in the fields:

manual non-destructive testing (radiographic-, ultrasonic-, magnetic particle-, penetrant- and visual testing) as well as mobile hardness test at metallic components of the plant engineering and at plant

Abbreviations used: see last page

All test methods are carried out at both locations.

1 Radiographic testing

DIN EN ISO 17636-1
2013-05

Non-destructive testing of welds - Radiographic testing - Part 1:
X- and gamma-ray techniques with film

AD 2000-Merkblatt HP 5/3
Anlage 1
2015-04

Non-destructive testing of welded joints - Minimum require-
ments for non-destructive testing methods
(here: *section 2: Radiographic testing*)

BIMAT-AA021
2012-05

Radiographic testing of pipelines and fittings for wall thickness
measurement

2 Ultrasonic testing

DIN EN ISO 16823 2014-07	Non-destructive testing - Ultrasonic testing - Transmission technique
DIN EN ISO 16826 2014-06	Non-destructive testing - Ultrasonic testing - Examination for discontinuities perpendicular to the surface
DIN EN ISO 17640 2011-04	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment (here: <i>Point 7-10 and Supplement A</i>)
DIN EN 10160 1999-09	Ultrasonic testing of steel flat product of thickness equal to or greater than 6 mm (reflection method)
DIN EN 10307 2002-03	Non-destructive testing - Ultrasonic testing of austenitic and austenitic-ferritic stainless steels flat products of thickness equal to or greater than 6 mm (reflection method)
DIN EN 10228-3 2016-10	Non-destructive testing of steel forgings - Part 3: Ultrasonic testing of ferritic or martensitic steel forgings
DIN EN 10228-4 2016-10	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings
DIN EN 10246-17 2000-07	Non-destructive testing of steel tubes - Part 17: Ultrasonic testing of tube ends of seamless and welded steel tubes for the detection of laminar imperfections (<i>withdrawn standard</i>)
DIN EN 12680-3 2012-02	Founding - Ultrasonic testing - Part 3: Spheroidal graphite cast iron castings
DIN EN 14127 2011-04	Non-destructive testing - Ultrasonic thickness measurement
AD 2000-Merkblatt HP 5/3 Anlage 1 2015-04	Non-destructive testing of welded joints - Minimum requirements for non-destructive testing methods (here: <i>section 3: Ultrasonic testing</i>)

3 Magnetic particle testing

DIN EN ISO 9934-1 2017-03	Non-destructive testing - Magnetic particle testing - Part 1: General principles (here: <i>point 7-14</i>)
DIN EN ISO 17638 2017-03	Non-destructive testing of welds - Magnetic particle testing
DIN EN 1369 2013-01	Founding - Magnetic particle testing
DIN EN 10228-1 2016-10	Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection
DIN EN ISO 10893-5 2011-07	Non-destructive testing of steel tubes - Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections
AD 2000-Merkblatt HP 5/3 Anlage 1 2015-04	Non-destructive testing of welded joints - Minimum require- ments for non-destructive testing methods (here: <i>section 4: Magnetic particle testing</i>)

4 Penetrant testing

DIN EN ISO 3452-1 2014-09	Non-destructive testing - Penetrant testing - Part 1: General principles (here: <i>Point 8</i>)
DIN EN 10228-2 2016-10	Non-destructive testing of steel forgings - Part 2: Penetrant testing
DIN EN ISO 10893-4 2011-07	Non-destructive testing of steel tubes - Part 4: Liquid penetrant inspection of seamless and welded steel tubes for the detection of surface imperfections
AD 2000-Merkblatt HP 5/3 Anlage 1 2015-04	Non-destructive testing of welded joints - Minimum requirements for non-destructive testing methods (here: <i>section 5: Penetrant testing</i>)

5 Visual testing

DIN EN 13018 2016-06	Non-destructive testing - Visual testing - General principles (here: <i>Point 5 and 6</i>)
DIN EN ISO 17637 2017-04	Non-destructive testing of welds - Visual testing of fusion-welded joints

6 Mobile hardness testing

DIN 50159-1 2015-01	Metallic materials - Hardness testing with the UCI method - Part 1: Test method (here: <i>Point 9 and supplement B</i>)
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Abbreviations used:

AD HP	Working group pressure vessel; Production and testing
BIMAT-AA	House procedure of the BIMAT-Materialprüfungsgesellschaft mbH
DIN	German Institute for Standard
EN	European Standard
ISO	International Organization for Standardization