Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-20301-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **29.08.2023**

Date of issue: 29.08.2023

This annex is a part of the accreditation certificate D-PL-20301-01-00.

Holder of partial accreditation certificate:

BGH Edelstahl Siegen GmbH
Stumme-Loch-Weg 1-5, 57072 Siegen

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

Selected physico-chemical tests of steel and iron

Within the scope of accreditation marked with *), 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 procedures within the flexible scope of accreditation.

1 Infrared absorption method *

DIN EN ISO 15350 2010-08	Steel and iron - Determination of total carbon and sulfur content - Infrared absorption method after combustion in an induction furnace (routine method)
DIN EN ISO 15351 2010-08	Steel and iron - Determination of nitrogen content - Thermal conductimetric method after fusion in a current of inert gas (Routine method)
DIN EN 10276-2 2003-10	Chemical analysis of ferrous materials - Determination of oxygen content in steel and iron - Part 2: Infrared method after fusion under inert gas

2 Heat extraction

Manual for the Eisen-hüttenlaboratorium Volume 2, Part 2 2nd edition 1998 Page 235-239	Determination of hydrogen in steel by heat extraction - carrier gas method, thermal conductivity

3 Spark emission spectroscopy

AA_465_07_001 Rev.2 2021	Determination of Al, As, B, Bi, C, Ca, Cd, Ce, Co, Cr, Cu, La, Mg, Mn, Mo, N, Nb, Ni, P, Pb, S, Sb, Se, Si, Sn, Ta, Te, Ti, V, W, Y, Zn and Zr in low-alloy, chromium-chromium-nickel, manganese, iron-nickel and manganese steels by spark emission spectroscopy

Abbreviations used:

AA	Work specification of BGH Edelstahl Siegen GmbH
DIN	German institute for standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation