

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-19273-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 22.09.2016 to 10.05.2020

Date of issue: 22.09.2016

Holder of certificate:

Heraeus Deutschland GmbH & Co. KG
Chemical Analytics - Spektrallabor
Heraeusstraße 12-14, 63450 Hanau

Tests in the fields:

physico-chemical and chemical analyses of alloys, precious metal products and waste water

Abbreviations used: see last page

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 listed testing methods are exemplary. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

1 Element quantification of alloys and precious metal products

HM_0001 Version 1 2014-11	Concentration determination of alloying elements in precious metal alloys by X-ray fluorescence spectrometry
HM_0002 Version 1 2014-11	Determination of trace elements in precious metals and precious metal alloys using GD- and Spark discharge-OES
HM_0003 Version 1 2014-11	Determination of trace elements in intermediate and end-products of Heraeus production processes using ICP-OES

2 Determination of elements in waste water *

DIN EN ISO 11885 (E 22) 2009-09	Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES)
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Abbreviations used:

DIN	German Institute for Standardisation (Deutsches Institut für Normung e. V.)
EN	European Standard
GD	Glow Discharge (Glimmentladung)
HM_...	Laboratory in-house test method of Heraeus Deutschland GmbH & Co. KG, Chemical Analytics - Spektrallabor
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization