Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-19883-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **20.04.2026**

Date of issue: 20.04.2026

This annex is part of the Accreditation Certificate D-PL-19883-01-00.

Holder of the Accreditation Certificate:

LGC Labor GmbH
Mercatorstraße 51, 46485 Wesel

with the location

LGC Labor GmbH
Bürgermeister-Schlosser-Straße 6A, 86199 Augsburg

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 they conform to the principles of DIN EN ISO 9001.

Testing in the fields:

Physical, physicochemical, and chemical analyses of organic pure substances and of single- and multi-component solutions of organic pure substances

This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS) and is digitally sealed.
This annex to the certificate is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Flexible Scope of Accreditation:
Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS
[Flex A] to use standardised or equivalent test methods listed here with different issue dates.
[Flex C] to modify, develop or further develop test methods.
The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

Physical, physicochemical, and chemical analyses of organic pure substances and of single- and multi-component solutions of organic pure substances

1 Determination of impurities in pure organic compounds and determination of the concentration of pure organic compounds in aqueous and organic solvents using high-performance liquid chromatography (HPLC) with conventional detectors (UV) [Flex C]

LGC-PA-154 2016-05	Determination of purity and concentration by HPLC of pure organic compounds and their solutions in aqueous and organic solvents

2 Determination of impurities in pure organic compounds and determination of the concentration of pure organic compounds in aqueous and organic solvents using high-performance liquid chromatography (HPLC) with mass-selective detectors (MS) [Flex C]

LGC-PA-154 2016-05	Determination of purity and concentration by HPLC of pure organic compounds and their solutions in aqueous and organic solvents

3 Determination of impurities in pure organic compounds and determination of the concentration of pure organic compounds in aqueous and organic solvents using gas chromatography (GC) with conventional detectors (FID, ECD) [Flex C]

LGC-PA-155 2016-05	Determination of purity and concentration using gas chromatography of pure organic compounds and their solutions in aqueous and organic solvents

4 Determination of impurities in pure organic compounds and determination of the concentration of pure organic compounds in aqueous and organic solvents using gas chromatography (GC) with mass-selective detectors (MS)
[Flex C]

LGC-PA-155 2016-05	Determination of purity and concentration using gas chromatography of pure organic compounds and their solutions in aqueous and organic solvents

5 Determination of the concentration of pure organic compounds and their solutions in aqueous or organic solvents using UV-Vis spectroscopy [Flex C]

LGC-PA-157 2016-05	Determination of purity and concentration using a UV spectrometer for pure organic substances and their solutions in aqueous and organic solvents

6 Identification of pure organic compounds and impurities in pure organic compounds using ^{1}H-, ^{13}C and ^{19}F-nuclear magnetic resonance spectroscopy [Flex C]

LGC-PA-218 2025-08	Nuclear magnetic resonance spectroscopy of pure organic compounds dissolved in aqueous or organic solvents

7 Determination of the purity of pure organic compounds using quantitative ^{1}H- and ^{19}F-nuclear magnetic resonance spectroscopy [Flex C]

LGC-PA-218 2025-08	Nuclear magnetic resonance spectroscopy of pure organic compounds dissolved in aqueous or organic solvents

8 Determination of the water content of pure organic substances in their pure form by titrimetry [Flex C]

LGC-PA-156 2016-10	Determination of the water content using Karl Fischer of pure organic compounds in their pure form

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9 Determination of impurities and physical parameters in pure organic substances using physicochemical methods [Flex A]

DIN 51006 2005-07	Thermal analysis (TA) - Thermogravimetry (TG) - Principles
DIN 51007 2019-04	Thermal analysis - Differential thermal analysis (DTA) and differential scanning calorimetry (DSC) - General Principles
LGC-PA-055 2016-04	Identification of pure organic compounds using infrared spectroscopy

10 Determination of the content of organic pure substances using physicochemical methods

LGC-PA-212 2019-09	Determination of purity and identity using CHNS elemental analysis of organic high-purity substances in their pure form
LGC-PA-040 2016-07	Determination of the purity of organic pure substances in their pure form using CS_2 analysis

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
LGC-PA-XX	In-house method of the CAB