

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-RM-14176-01-00 according to DIN EN ISO 17034:2017

Valid from: 17.01.2024

Date of issue: 17.01.2024

Holder of accreditation certificate:

LGC GmbH
Louis-Pasteur-Straße 30, 14943 Luckenwalde

with the locations

LGC GmbH
Louis-Pasteur-Straße 30, 14943 Luckenwalde

LGC GmbH
Im Biotechnologiepark 3 (TGZ II), 14943 Luckenwalde

LGC GmbH
Im Biotechnologiepark 7 (TGZ III), 14943 Luckenwalde

The reference material producer meets the requirements of DIN EN ISO 17034:2017 to carry out the conformity assessment activities listed in this annex. The reference material producer 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 17034 are written in the language relevant to the operations of reference material producers and they conform to the principles of DIN EN ISO 9001.

This certificate annex 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 given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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

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Reference material production in the fields:

**reference materials and certified reference materials for organic neat compounds and mixtures thereof including salts thereof (e. g. pharmaceutically or forensically relevant substances);
reference materials and certified reference materials in the form of single component and multi component solutions of organic neat compounds including salts thereof (e. g. pharmaceutically or forensically relevant substances)**

The reference material producer maintains an up-to-date list of certified reference materials in the accredited area

1 Reference materials for organic neat compounds and mixtures as well as their solutions

Product	Characteristic	Range	Characterization strategy
Pure Organic Substances	Identity	-----	a), b) or d)
	Content	≥ 90 % m/m	a), b) or d)
Solid mixtures of organic substances	Identity	-----	a), b) or d)
	Content	Each single component ≥ 0,5% m/m	a), b), d) or e)
Pure organic substances in the form of single and multi-component solutions	Concentration	0,005 – 10 g/l	b), d) or e)

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2 Certified reference materials for organic neat compounds and mixtures as well as their solutions

Product	Characteristic	Range	Characterization strategy
Pure Organic Substances	Identity	-----	a), b) or d)
	Content	≥ 90 % m/m	a), b) or d)
Solid mixtures of organic substances	Identity	-----	a), b) or d)
	Content	Each single component ≥ 0,5% m/m	b), d) or e)
Pure organic substances in the form of single and multi-component solutions	Concentration	0,005 – 10 g/l	d) or e)

a) The use of a single reference measurement method (as defined in ISO/IEC Guide 99) in a single laboratory in accordance with DIN EN ISO 17034:2017 Par. 7.12.3 Note 1a).

b) The characterization of a non-operationally defined measurand is carried out using two or more methods of demonstrable accuracy in one or more competent laboratories in accordance with DIN EN ISO 17034:2017 Par. 7.12.3 Note 1b)

d) The transfer of values from an RM to a closely matched candidate RM using a single measurement procedure performed by one laboratory in accordance with DIN EN ISO 17034:2017 Par. 7.12.3 Note 1d).

e) The characterization is based on mass or volume of ingredients used in the preparation of the RM according to DIN EN ISO 17034:2017 Par. 7.12.3 Note 1e).

Abbreviations used:

DIN Deutsches Institut für Normung e.V. – German institute for standardization
 EN Europäische Norm – European Standard
 ISO International Organization for Standardisation

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