Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-17999-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **09.12.2024**

Date of issue: 09.12.2024

This annex is a part of the accreditation certificate D-PL-17999-01-00.

Holder of partial accreditation certificate:

Institut für Kalk- und Mörtelforschung e.V.
Annastraße 67-71, 50968 Köln

with the location

Institut für Kalk- und Mörtelforschung e.V.
Annastraße 67-71, 50968 Köln

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.

Tests in the following areas:

physical, physico-chemical and chemical testing of lime, feed lime and limestone

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.

Flexible scope of accreditation:

The testing laboratory is permitted to use standardised or equivalent test methods listed here with different issue dates without being required to prior inform and obtain approval from DAkkS (flexibilization according to category A).

The testing laboratory has an up-to-date list of all test methods in the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

physical, physico-chemical and chemical tests

DIN EN ISO 15587-1 2002-07	Water quality - Digestion for the determination of selected elements in water - Part 1: Aqua regia digestion *(Modification: here in lime, feed lime and limestone)*
DIN EN 12485 2017-10	Chemicals used for treatment of water intended for human consumption - Calcium carbonate, high-calcium lime, half-burnt dolomite, magnesium oxide, calcium magnesium carbonate and dolomitic lime - Test methods *(Restriction: here except chapter 5.4, 7.1 and 8.2)*
BVK- collection of test procedures Part 2	Lime, chemical analyses-volumetric, gravimetric and gasometric methods Here: 8.1 – Calcium oxide, Magnesium oxide 9.1 – Ignition loss 9.2 – Free water 9.4 – Carbon dioxide(CO_2) 9.5 - Determination of HCl-insoluble and of soluble Silicon dioxide 9.6 – Determination of Sulfur as SO_3 (SO_4^{2-}, S^{2-})
BVK- collection of test procedures Part 3 2002-08	Lime, chemical analyses - atomic absorption spectrometric and atomic emission spectrometric methods *(Restriction: here except chapter 8.1)*
VDLUFA, volume of methods Band I 1995	The examination of fertilizers *here:* 6.4 - Determination of the reactivity of carbonated limes
VDLUFA, volume of methods Band II.1 1995	The examination of fertilizers *here:* 9.7.2 - Thallium with graphite furnace AAS, Erg. 2004 *(Modification: here in lime, feed lime and limestone)*

QMAA-C2-03-219 2018-07	Determination of the total organic carbon (TOC) content - using IR detection
QMAA-C2-03-042 2008-07	Determination of sulfite by titration
QMAA-C2-03-036 2012-08	Determination of fluoride in solids - by means of steam distillation
QMAA-C2-03-096 2018-07	Determination of chloride in lime and mortar products by titration and potentiometric endpoint determination *(Restriction: here in lime products)*
QMAA-C2-03-217 2014-01	Determination of carbon dioxide in lime (ELTRA CS 2000)
QMAA-C2-03-218 2018-07	Determination of sulphate in limes using IR detection (ELTRA CS 2000)

Abbreviations used:

BVK	Bundesverband der Deutschen Kalkindustrie e. V.
DIN	Deutsches Institut für Normung e.V.
EN	Europäische Norm
IEC	International Electrotechnical Commission (Internationale Elektrotechnische Kommission)
ISO	International Organization for Standardization (Internationale Organisation für Normung)
QMAA	In-house process of the Kalk- und Mörtelforschung e.V. (Qualitätsmanagement-Arbeitsanweisung)
VDLUFA	Verband Deutscher landwirtschaftlicher Untersuchungs- und Forschungsanstalten