

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-20519-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 26.02.2021

Date of issue: 26.02.2021

Holder of certificate:

Honeywell Specialty Chemicals Seelze GmbH
HYDRANAL Center of Excellence
Wunstorfer Straße 40, 30926 Seelze

Tests in the fields:

volumetric analyzes on the determination of water in organic and inorganic liquids, solids and Karl-Fischer-Reagents using volumetric KF-Titration, coulometric KF-Titration and indirect Karl-Fischer-oven technology

Within the given testing field marked with *, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the modification, development and refinement of testing methods.

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

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

*The certificate together with the annex reflects the status as indicated by the date of issue.
The current status of any given scope of accreditation may be found respectively in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH <https://www.dakks.de/en/content/accredited-bodies-dakks>.*

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.

Annex to the accreditation certificate D-PL-20519-01-00

Determination of the water content in organic and inorganic liquids, solids and Karl-Fischer-Reagents by Karl-Fischer-Titration *

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| ISO 760 1978-12 | Determination of water; Karl Fischer method (General method) |
| ASTM E 203 2016 | Standard Test Method for Water Using Volumetric Karl Fischer Titration |
| Test method 01 HYDRANAL 13.11.2017 | Determination of water content in liquids and solids using volumetric Karl-Fischer-Titration |
| Test method 02 HYDRANAL 13.11.2017 | Determination of water content in liquids and solids using coulometric Karl-Fischer-Titration |
| Test method 03 HYDRANAL 13.11.2017 | Determination of water content in liquids and solids using indirect Karl-Fischer-oven method |

Abbreviations used:

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|----------------|--|
| ASTM | Standardmethoden, American Society for Testing and materials |
| DIN | German Institute for Standardisation |
| EN | European Standard |
| ISO | International Organization for Standardization |
| IEC | International Electrotechnical Commission |
| KF | Karl Fischer |
| Test method xx | House method of Honeywell Specialty Chemicals Seelze GmbH |