

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-PL-21342-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 09.05.2023

**Date of issue:** 09.05.2023

Holder of accreditation certificate:

**FUCHS Surface Analytics e.K.**  
**Byk-Gulden-Str. 2, 78467 Konstanz**

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 confirm generally with the principles of DIN EN ISO 9001.

Tests in the fields:

**Determination of technical cleanliness on metallic and non-metallic materials, assemblies, systems and fluids using test methods of extraction, gravimetry and microscopic analysis;**  
**Determination of filmic organic contaminants on material surfaces of systems and assemblies by means of solvent extraction to investigate quantitative residual organic loading;**  
**Determination of organic impurities in aqueous fluids by means of wet extraction to investigate the quantitative residual organic loading.**

*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.**

**Annex to the Accreditation Certificate D-PL-21342-01-00**

**1. Test Methods for the Technical Cleanliness of Parts and Components**

ISO 16232 2018-12	Road vehicles – Cleanliness of components and system - 7.1-7.4.3 ( <i>Extraction method</i> ) - 9.2.2 ( <i>Gravimetry</i> ) - 9.2.3 ( <i>Light-optical analysis</i> )
VDA Band 19.1 Rev.2 2015-03	Inspection of Technical Cleanliness – Particulate Contamination of Functionally Relevant Automotive Components - 6.1- 6.4 ( <i>Extraction method</i> ) - 7 ( <i>Analysis filtration</i> ) - 8.1, 8.2 ( <i>Analysis method</i> ) - 8.3.5 ( <i>IR (infrared)-spectroscopy</i> )

**2. Test Methods for the Determination of film organic or organic impurities**

AA 01 2023-04	Determination of filmic organic impurities on material surfaces of systems and assemblies - <i>Liquid extraction and vapor condensation</i> - <i>Infrared spectroscopy</i> - <i>Gravimetry</i>
AA 03 2023-04	Determination of organic impurities in aqueous fluids - <i>Wet extraction</i> - <i>Infrared spectroscopy</i>

**Abbreviations used:**

AA	Test methodology of FUCHS Surface Analytics e.K.
ISO	International Organization for Standardization
VDA	German Association of the Automotive Industry

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