

# Deutsche Akkreditierungsstelle

## Annex to the Partial Accreditation Certificate D-PL-11140-07-04 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 29.11.2023

**Date of issue:** 29.11.2023

This annex is a part of the accreditation certificate D-PL-11140-07-00.

Holder of partial accreditation certificate:

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung  
eingetragener Verein  
Hansastraße 27 c, 80686 München**

with the location

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung  
eingetragener Verein  
Fraunhofer-Institut für Produktionstechnik und Automatisierung IPA  
Nobelstraße 12, 70569 Stuttgart**

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.

*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>.*

**Annex to the Partial Accreditation Certificate D-PL-11140-07-04**

Tests in the fields:

**Technical Cleanliness**

Within the given testing field the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following: the free choice of standard or equivalent 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.

**1 Technical Cleanliness**

|  |  |
|--|--|
| ISO 16232<br>2018-12                     | Road vehicles - Cleanliness of components of fluid   |
| VDA-Band 19 - Part 1<br>2nd edition 2015 | Inspection of Technical Cleanliness - Particulate Contamination of Functionally Relevant Automotive Components |
| VDA-Band 19 - Part 2<br>1st edition 2010 | Technical cleanliness in assembly - Environment, Logistics, Personnel and Assembly Equipment                   |
| ECSS-Q-ST-70-50C<br>2011-10              | Particles contamination monitoring for spacecraft systems and cleanrooms                                       |

**2 Determination of air purity based on particle concentration**

|                               |  |
|-------------------------------|--|
| DIN EN ISO 14644-1<br>2016-06 | Classification of air purity based on particle concentration |
|-------------------------------|--|

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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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**Abbreviations used:**

|      |  |
|------|--|
| DIN  | German Institute for Standardization           |
| EN   | European Standard                              |
| ECSS | European Cooperation for Space Standardization |
| IEC  | International Electrotechnical Commission      |
| ISO  | International Organization for Standardization |
| VDA  | German Association of the Automotive Industry  |

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