Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-18869-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **11.01.2024**

Date of issue: 11.01.2024

This annex is a part of the accreditation certificate D-PL-18869-01-00.

Holder of partial accreditation certificate:

iLF Magdeburg GmbH
Fichtestraße 29, 39112 Magdeburg

with the location

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Fichtestraße 29, 39112 Magdeburg

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 fields:

testing and assessing the ease of decontamination of radioactively contaminated surfaces; analysis of emissions from vehicle interior parts and materials, building products and furnishing

Within the given testing field marked with *, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the free choice of standard or equivalent testing methods. The listed testing methods are exemplary.

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.

Within the scope of accreditation marked with *, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.**
The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

1 Testing and assessing the ease of decontamination of radioactively contaminated surfaces *

ISO 8690 2020-08	Measurement of radioactivity - Gamma ray and beta emitting radionuclides - Test method to assess the ease of decontamination of surface materials
DIN ISO 8690 2022-10	Measurement of radioactivity - Gamma ray and beta emitting radionuclides - Test method to assess the ease of decontamination of surface materials
DIN 25415 2012-11	Radioactively contaminated surfaces - Method for testing and assessing the ease of decontamination

2 Analysis of emissions

2.1 Determination of the fogging characteristics of trim materials in the interior of automobiles using a fogging device *

DIN 75201 2011-11	Determination of the fogging characteristics of trim materials in the interior of automobiles
ISO 6452 2021-05	Rubber- or plastics-coated fabrics - Determination of fogging characteristics of trim materials in the interior of automobiles
SAE J 1756 2006-08	Determination of the Fogging Characteristics of Interior Automotive Materials
PV 3015 2019-03	Fogging Behavior of Materials Used in the Vehicle Interior; Gravimetric Determination of Condensable Components
Volvo STD 420-0003 2014-06	Organic materials - Fogging
BSDM0503 2022-01	Fogging test method for non-metallic materials (here: *Method B*)

TSM0503G 2019-04	Fogging test method for non-metallic materials (here: *Method B*)

2.2 Determination of the odour characteristics ***

SAE J 1351 2015-07	Hot Odor Test for Insulation Materials
VDA 270 2022-05	Determination of the odour characteristics of trim materials in motor vehicles
PV 3900 2019-04	Vehicle Interior Components; Odor Test
GS 97014-4 2021-12	Emissions measurement with air exchange in a testing chamber; Determination of the olfactory behavior
VCS 1027,2729 2016-11	Organic materials - Odour of trim materials in vehicles
Renault D49 3001 / - - E 2015-01	Odour emissions, internal equipment parts - Intensity evaluation and global odour characterization
FLTM BO 131-03 2017-05	Interior odor test
BSDM0505 2022-01	Smell quality of non-metallic materials
TSM0505G 2019-02	Smell quality of non-metallic materials
TPJLR.52.458 2014-05	Determination and assessment of odour from interior trim materials, components and assemblies
MS 300-34 2002-10	Test method of odor for interior parts

2.3 Determination of aldehyde and ketone emissions ***

DIN ISO 16000-3 2023-12	Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air - Active sampling method

VDI 3862 Blatt 3 2000-12	Gaseous emission measurement - Measurement of aliphatic and aromatic aldehydes and ketones by DNPH method - Cartridges method
VDA 275 1994-07	Moulded composites and fleeces for vehicles - Determination of formaldehyde release - Test procedure called modified flask method
PV 3925 2021-01	Polymer Materials; Determination of Formaldehyde Emission; Measurement by a Modified Bottle Method
AA-0061 2018-09	Formaldehyde emission from non-metallic materials and components, determined by HPLC
VCS 1027,2739 2004-03	Determination of formaldehyde emission from components in vehicle interiors
Renault D40 3004 / - - A 2011-07	Analysis of formaldehyde and other carbonyl compounds
FLTM BZ 156-01 2011-07	Determination of formaldehyde, aldehyde, and ketone emissions from non-metallic components, parts and materials in the vehicle interior

2.4 Determination of the emission of volatile organic compounds from vehicle interior parts and materials, building products and furnishing using the test chamber method *

DIN ISO 12219-4 2013-12	Interior air of road vehicles - Part 4: Method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Small chamber method
DIN ISO 12219-6 2017-08	Interior air of road vehicles - Part 6: Method for the determination of the emissions of semi-volatile organic compounds from vehicle interior parts and materials at higher temperature - Small chamber method
DIN EN ISO 16000-9 2008-04	Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method
PV 3942 2021-11	Emission Behavior of Parts, Components, and Semi-Finished Products for the Vehicle Interior; Testing Using the DUT Chamber Method (deviation: *0,25 m^3 test chamber*)

GS 97014-3 2014-04	Emissions measurement with air exchange in a testing chamber; Determination of volatile, organic emissions from components, semi-finished products and materials

2.5 Determination of volatile organic compounds and phthalates with gas chromatography/mass spectrometry *

DIN ISO 16000-6 2022-03	Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA® sorbent, thermal desorption and gas chromatography using MS or MS-FID
DIN ISO 16000-33 2017-12	Indoor air - Part 33: Determination of phthalates with gas chromatography/mass spectrometry (GC/MS)

2.6 Determination of emission of organic compounds ***

VDA 277 1995-01	Non-metallic materials in automotive interior trim - Determination of emission of organic compounds
PV 3341 1995-03	Non-Metallic Materials in Automotive Interior Trim; Determination of emission of organic compounds
VCS 1027,2749 2004-03	Determination of organic emission from non-metallic materials in vehicle interiors
FLTM BZ 157-01 2011-03	Determination of organic emissions from non-metallic materials in vehicle interiors by Headspace Gas Chromatography

2.7 Thermal desorption analysis of organic emissions ***

VDA 278 2016-05	Thermal Desorption Analysis of Organic Emissions for the Characterization of Non-Metallic Materials for Automobiles
Renault D42 3109 / - - B 2011-10	Vehicle passenger compartment materials evaluation of the quantity of volatile organic compounds (VOC) by thermal desorption/GC/MS (FID)
PSA D10 5495	Test for interior materials vehicle - Evaluation of the amount of volatile organic compounds (VOCs) by thermodesorptions/GS/MS

Abbreviations used:

AA	Arbeitsanweisung der BMW AG - Work instruction of BMW AG
BMW	Bayerische Motorenwerke AG
DIN	Deutsches Institut für Normung e.V. - German institute for standardization
EN	Europäische Norm - European Standard
FLTM	Ford Laboratory Test Method
GS	BMW Group Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
MS	Hyundai Kia Motor Material Specification
PSA	Peugeot Société Anonyme
PV	Prüfvorschrift der VW AG - Test specification of VW AG
SAE	Society of Automotive Engineers
STD	Scania Standard
TPJLR	Jaguar Cars & Land Rover - Engineering Test Procedure
VCS	Volvo-Car-Corporation Standard
VDA	Verband der Automobilindustrie - German Association of the Automotive Industry
VW	Volkswagen AG