DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

DEKRA Automobil GmbH
Handwerkstraße 15, 70565 Stuttgart

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

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 accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 21.10.2024 with accreditation number D-PL-11060-05.
It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 7 pages.

Registration number of the accreditation certificate: **D-PL-11060-05-00**

Berlin, 21.10.2024 Dr.-Ing. Tobias Poeste
Head of Technical Unit

Translation issued:
21.10.2024 Dr.-Ing. Tobias Poeste
Head of Technical Unit

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 can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf

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Annex to the Accreditation Certificate D-PL-11060-05-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **21.10.2024**

Date of issue: 21.10.2024

Holder of accreditation certificate:

DEKRA Automobil GmbH
Handwerkstraße 15, 70565 Stuttgart

with the location

DEKRA Automobil GmbH
Labor für Materialprüfung und Schadensanalytik
Unidekstraße 5, 75015 Bretten

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:

mechanical, thermic and chemical-physical testing of metals, plastics and elastomers;
analytical methods for analysing of materials of metals, plastics and elastomers
metallographical analysis for ferrous and non-ferrous metals;
environmental simulations, corrosion tests and determination of resistance to chemicals;
testings of surfaces and coatings;
Testing burning behavior of materials used in vehicle interiors;
Testing of automotive components for car part approvals according to OEM specification;

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 procedures within the flexible scope of accreditation.

1 Mechanical tests *

DIN EN ISO 6506-1 2015-02	Metallic materials – Brinell hardness test – Part 1: Test method
DIN EN ISO 6507-1 2018-07	Metallic materials – Vickers hardness test – Part 1: Test method
DIN ISO 48-4 2021-02	Rubber, vulcanized or thermoplastic – Determination of hardness – Part 4: Indentation hardness by durometer method
DIN EN ISO 868 2003-10	Plastics and ebonite – Determination of indentation hardness by means of a durometer
DIN 53504 2017-03	Testing of rubber – Determination of tensile strength at break, tensile stress at yield, elongation at break and stress values in a tensile test
DIN EN ISO 6892-1 2017-02	Metallic materials – Tensile testing – Part 1: Method of test at room temperature
DIN EN ISO 527-2 2012-06	Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics

DIN EN ISO 527-3 2019-02	Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets
DIN EN ISO 179 2010-11	Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test
DIN EN ISO 180 2020-03	Plastics – Determination of Izod impact strength
DIN EN ISO 178 2019-08	Plastics – Determination of flexural propertie
ASTM E8/E 8M 2022	Standard Test Methods for Tension Testing of Metallic Materials

2 Analytic methods *

DIN EN ISO 11357-2 2020-08	Plastics – Differential scanning calorimetry (DSC) – Part 2: Determination of glass transition temperature and step height
DIN EN ISO 11357-3 2018-07	Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallization
DIN EN ISO 11358-1 2022-07	Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles
DIN EN ISO 1183-1 2019-09	Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method
DIN EN ISO 1172 2023-12	Textile-glass-reinforced plastics – Prepregs, moulding compounds and laminates – Determination of the textile-glass and mineral-filler content using calcination methods
DIN EN ISO 3451-1 2019-05	Plastics – Determination of ash – Part 1: General methods
DIN EN ISO 307 2019-11	Plastics – Polyamides – Determination of viscosity number

ISO 1628-4 1999-03	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 4: Polycarbonate (PC) moulding and extrusion materials
ISO 1628-5 1998-03	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 5: Thermoplastic polyester (TP) homopolymers and copolymers

3 Spectral analysis

PV-001_FT-IR 2016-06	Spectral analysis using IR spectrometer for plastics (thermoplastics, thermosets, elastomers) and organic compounds analysis
PV-002_OES 2016-06	Optical emission spectroscopy (OES - spark spectrometer) to determine chemical compounds of the following alloys: Iron, aluminium and copper base, rare earths

4 Environmental simulations, corrosion tests and determination of resistance to chemicals *

DIN EN ISO 9227 2023-03	Corrosion tests in artificial atmospheres – Salt spray tests
DIN EN ISO 6270-2 2018-04	Paints and varnishes – Determination of resistance to humidity – Part 2: Condensation (in-cabinet exposure with heated water reservoir)
DIN 53497 2017-04	Testing of plastics – Hot storage test on mouldings made of thermoplastic moulding materials without external mechanical stressing
DIN EN ISO 11997-1 2018-01	Paints and varnishes – Determination of resistance to cyclic corrosion conditions – Part 1: Wet (salt fog)/dry/humid
DIN EN ISO 22088-3 2006-11	Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 3: Bent strip method

Flexibility does not apply to the following test procedure:

VW PV1200 2022-11	Vehicle parts – testing for climate change resistance (80°C / -40°C)
VW PV2005 2021-06	Vehicle parts – testing the climate change resistance of special components, new developments and concepts

VW PV 1210 2016-02	Body and add on parts; corrosion test
VW PV 1209 2023-01	Add-On Parts/Hang-On Parts with a Zinc or Zinc Alloy Coating and Aluminum Add-On Parts/Hang-On Parts – Corrosion Test (Environmental Corrosion Cycle Test)
VW PV 3983 2020-12	Plastics and Thermoplastic Elastomers – Testing of Media Resistance in Combination with Mechanical Stresses

5 Testings of surfaces and coatings *

DIN EN ISO 2409 2020-12	Paints and varnishes – Cross-cut test
DIN EN ISO 105-X12 2016-11	Textiles – Tests for colour fastness – Part X12: Colour fastness to rubbing
ISO 2808 2019-12	Paints and varnishes – Determination of film thickness
VDA 230-217 2018-12	Plastic Roll Goods for Motor Vehicel Interior Trim

Flexibility does not apply to the following test procedure:

VW PV 3966 2021-09	PP Components; Stress Whitening Properties (Ball Drop Test)
VW PV 3989 2023-02	Low-Temperature Behavior of Plastic Components (Ball-Drop Test)
VW PV 3906 2021-11	Non-Metallic Planar Materials; Testing the Abrasion Behavior
VW PV 3991 2021-01	Structured Surfaces; Skin Abrasion Testing

6 Testing burning behavior of materials used in vehicle interiors *

DIN 75200 1980-09	Determination of burning behaviour of interior materials in motor vehicles
UNECE R118, Anhang 6 2015-04	Regulation No. 118 of the United Nations Economic Commission for Europe (UNECE) – Uniform technical regulations relating to the combustion behavior and/or property of materials used in the construction of motor vehicles of certain classes to repel fuel or lubricants [2015/622]
GB 8410 2006-01	Flammability of Automotive Interior Materials
FMVSS 302 2019-10	§ 571.302 Standard No. 302; Flammability of interior materials
CMVSS 302 2007-08	Flammability of Interior Materials
KMVSS Art. 95 2017-03	Flammability of Interior Materials

Flexibility does not apply to the following test procedure:

TL 1010 2008-01	Interior materials, combustion behavior, material requirements
PTL 8501 (VW96243) 2020-10	Interior – burning behavior
DBL 5307 2019-07	Flame retardancy of interior parts
GS 97038 2016-03	Determination of the combustion behavior of automotive interior materials

DAkkS Deutsche Akkreditierungsstelle

Abbreviations used:

ASTM	American Society for Testing and Materials
CMVSS	Canada Motor Vehicle Safety Standard
DBL	Factory standard of Daimler AG
DIN	German institute for standardization
EN	European Standard
FMVSS	Federal Motor Vehicle Safety Standards
GB	National Standard of the People's Republic of China
GS	BMW Group Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
KMVSS	Korea Motor Vehicle Safety Standards
PTL	Test regulation of Porsche AG
PV-00X_YZ	In house method of Dekra Automobil GmbH
TL	Technical delivery specification of Volkswagen AG
UNECE	United Nations Economic Commission for Europe
VDA	German Association of the Automotive Industry
VSTD	Vehicle Safety Certification Center, VSCC
VW PV	Testing procedure of Volkswagen AG