DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that

IMAT (Shenyang) Automotive Technology Co., Ltd
Building 68-G7, Guizhuxiang Street Sunjiangtun District, Shenyang 110100,
P. R. CHINA

operates a testing laboratory that fulfills the requirements according to DIN EN ISO/IEC 17025:2018 for those conformity assessment activities specified in detail in the annexes listed below. This includes additional existing legal and normative requirements for the testing laboratory including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes listed below.

D-PL-20658-01-01	**Valid from: 14.11.2025**	**Valid to: 10.05.2028**
D-PL-20658-01-02	**Valid from: 11.05.2023**	**Valid to: 10.05.2028**

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 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 with accreditation number D-PL-20658-01 is valid to 10.05.2028. It consists of this cover sheet, the reverse side of the cover sheet and the corresponding annexes.

Registration number of the accreditation certificate: **D-PL-20658-01-00**

Berlin, 14.11.2025 Tim Fuchs | Head of Service Unit

This accreditation certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS). It is digital sealed and valid without signature. It reflects the status as indicated by the date of issue. The current status of any valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

See notes overleaf

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

The accreditation certificate shall be recognised as equivalent by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkkS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:
EA: www.european-accreditation.org
ILAC: www.ilac.org
IAF: www.iaf.nu

This accreditation certificate is the property of the German Accreditation Body.

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-20658-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from:	**14.11.2025**	**Valid to:**	**10.05.2028**
Date of issue:	14.11.2025		

This annex is part of the Accreditation Certificate D-PL-20658-01-00.

Holder of the Accreditation Certificate:

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with the location

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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.

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Tests in the fields:

Temperature, humidity, vibration, solar simulation and in their combination environmental simulation tests (qualification tests), mechanical tests, measurements of gloss and color

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex B] to have the free choice from standardised or equivalent test methods.

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

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1 Colour fastness against ageing caused by environmental influences of laquer- or other material surfaces, textiles, components and component constituents, predominantly for the use in motor vehicle interior [Flex B]

DIN EN ISO/CIE 11664-4 2020-03	Colorimetry – Part 4: CIE 1976 L*a*b* Color space
DIN 6174 2007-10	Colorimetric evaluation of colour coordinates and colour differences to the approximated uniform CIELAB colour space
DIN 5033-7 2014-10	Colorimetry – Part 7: Measuring conditions for object colours
DIN EN ISO 4628-1 2016-07	Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 1: General introduction and designation system
ISO 105-A02 1993-09	Textiles – Tests for colour fastness – Part A02: Grey scale for assessing change in colour
DIN EN ISO 105-A05 1997-07	Textiles – Tests for colour fastness – Part A05: Instrumental assessment of change in colour for determination of grey scale rating
DIN EN ISO 2813 2015-02	Paints and varnishes – Determination of specular gloss of non-metallic coatings with 20°, 60° and 85°
DIN 67530 1982-01	Reflectometer as a means for gloss assessment of plane surfaces of paint coatings and plastics

The following standards or in-house test methods are not subject within the flexible scope:

VW 50190 2011-01 2006-10	Components of the vehicle interior trim – Colorimetric evaluation
VW 50195 2019-03 2002-11	Colorimetric Evaluation of Automobile Paint Coatings § 3.2.1 Solid paint
Vinfast VFDST00053800 2018-08	Solar Simulation for Trim Parts

2 Environmental tests with temperature, humidity, solar simulation and in combination (qualification tests) on pre- and end-products as well as automobile industry components [Flex B]

UNE-EN IEC 60068-2-14 2023-11	Environmental testing – Part 2-14: Tests – Test N: Change of Temperature
DIN EN 60068-2-14 VDE 0468-2-14 2010-04	Environmental testing – Part 2-14: Tests – Test N: Change of temperature
DIN EN 60068-2-30 2006-06	Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12 h + 12 h cycle)
DIN EN 60068-2-78 VDE 0468-2-78 2014-02	Environmental testing – Part 2-78: Tests – test Cab: Damp heat, steady state
DIN EN ISO 1110 2019-09	Plastics – Polyamides – Accelerated conditioning of test specimens
DIN EN ISO 9142 2004-05	Adhesives – Guide to the selection of standard laboratory ageing conditions for testing bonded joints
DIN 75220 1992-11	Ageing of automotive components in solar simulation units
VDA 230-219 2011-10	Ageing of automotive components in solar simulation units
DIN 53497 2017-04	Testing of plastics – Heat storage test of moulded articles made of thermoplastic moulding materials without outside mechanical stress
DIN 53100 2020-04	Metallic coatings – Electroplated coatings of nickel plus chromium and of copper plus nickel plus chromium on plastics materials
ASTM D5427 2009-01	Standard practice for accelerated ageing of inflatable restraint fabrics

The following standards or in-house test methods are not subject within the flexible scope:

BMW PR 11737567 2024-10	CLIMATE CHANGE TEST FOR EQUIPMENT PARTS

BMW PR 303.5 2012-09 2010-01	Climate cycle test for equipment parts
BMW PR 303.6 2020-06	Climate cycle test for equipment parts
BMW PR 11737574 2024-09	CLIMATIC TESTING OF ADHESIVE JOINTS
BMW AA-P 276E 2006-06	Temperature Cycle Test
Daimler DBL 5471 2019-10 2018-08	Trim and Molded Padded Parts for Vehicle Interiors (Composite Components)
Daimler DBL 5471 2007-05	Supply specification – trim panels and molded padded parts for vehicle interiors (compound parts)
VinFast VFDST00046100 2018-08	Climate Test for Components
Daimler DBL 9202 2021-11	Decorative and Functional Composite Material Systems in the Interior
Daimler DBL 9202 2013-01	Supply Specification Decorative Parts in Vehicle Interiors
Daimler MBN 15306-1 2017-06	Test Methods for Material Systems and Components –
Tesla TP-0000706 2015-07	Climatic Aging of Materials, Components and Assemblies
VW PV 2005 2021-06 2000-09	Vehicle parts – Environmental Cycle Resistance Testing of Special Parts, New Developments, and Solutions
VW PV 1200 2022-11 2004-10	Vehicle parts – Testing of resistance to environmental cycle test (+80 / -40 °C)
VW TL 203 2021-01 2015-02	Electroplated Ni-Cr coatings – Requirements for surface protection

GM GMW 14124 2022-07 2017-08 2012-07 2010-11	Automotive Environmental Cycles
Porsche PPV 4015 VW 96379 2006-04	Exterior – Test of add-on parts – Climate cycle test
Porsche PPV 5002 VW 96395 2016-11 2006-02	Leather – Determination of shrinkage behavior
Ford FLTM BQ 104-07 2000-11	Environmental Test Cycles
Renault RT D45 1564 2005-04	Textiles – Dimensional variations in humidity
Renault D47 1309 2013-06	Materials and parts for automotive equipment – Ageing according to a given climatic cycle
PSA D47 1309 2021-08 2008-11 2006-09	AUTOMOTIVE EQUIPMENT MATERIALS AND PARTS AGEING FOLLOWING A GIVEN CLIMATIC CYCLE
Jaguar TPJLR 52.360 2015-02	Jaguar Cars & Land Rover: Accelerated Environmental Ageing for Adhesives Used in Trim Applications
Jaguar TPJLR.52.356 2005-08	Jaguar Cars & Land Rover: High heat & humidity ageing (climate cycle)
BMW PR 11737571 2024-10	SUN SIMULATION FOR EQUIPMENT PARTS
BMW PR 306.5 2014-04	Solar simulation for trim parts
BMW PR 11737700 2024-04	FLOOR MATS
Daimler FuVo A 0010060099 2010-02	Function Specification Instrument Panel Assembly

MBN 10306 2018-03	Electric and Electronic Components in Motor Vehicles – Environmental Requirements and Tests
MBN 55555-4 2019-10 2018-01	Non-metallic materials, material systems and semi-finished products
MBN51000-4 2023-12	Polymer-Based Materials, Material Systems, and Semi-finished Products
BMW AA-0203 2017-04	Hydrolysis test
BMW AA-P 308 2007-06	Hydrolysis test
VW TL 226 2020-10 2018-04 2016-10	Paintwork on Materials of Vehicle Interior Equipment
Renault D47 1165 1997-05	Plastics and products applied to the body in white or coated in paint – Accelerated ageing – climate storge (constant climate)
PSA D47 1165 2006-07	Products applied to body-in-white or paint coated body, plastics – Accelerated ageing
Renault D47 1165 2010-08	Accelerated ageing –Product applied for bonding, sealing, anti-gritting, damping, anti-corrosion and protection functions
Daimler DBL 5306 2008-12	General technical delivery conditions and test methods for interior equipment materials and similar products
Jaguar TPJLR.52.353 2019-07	Accelerated Environmental Ageing
Jaguar TPJLR.52.352 2020-09 2017-06	Resistance to Heat Ageing – General
Jaguar TPJLR.52.301 2004-09	Jaguar Cars & Land Rover: Dimensional stability under humidity and dry heat, Index J and K: Procedure for dry heat
PSA D45 1234 1997-08	Parts containing plastic elements – Reaction to heat in a non-radiant dry oven

PSA D47 1234 2010-02	Parts containing plastic elements – Reaction to heat in a non-radiant dry oven
Renault D45 1601 2009-07	Passenger compartment materials – Volatility of additives on one single surfaces
PSA D45 1139 2011-03	Dimensional variations and changes in heat appearance
Jaguar JNS 30.32.04 1989-11	Resistance to heat ageing – General
Fiat 50444 2008-06	Genuine leather, imitation leather and vinyl sheeting: Color fastness and aging test
Chrysler LP-463LB-13-01 2001-09	Leather – Physical testing, Heat aging of Trim material
VW PV 3959 2020-04 2019-04	Hydrolysis Test on Molded Headliners with Laminated Decorative Material in the Interior
VW PV 5015 BR 2000-10	Test Prescription – Resistance to hydrolysis in PU foams
GMW 14357 2017-03	For cellular and related materials: Determination of Resistance to Humidity ageing
Ford FLTM BI 106-03 2001-03	Hydrolysis resistance of painted plastic panels
Ford FLTM BP 106-03 2007-02	LOW TEMPERATURE BRITTLENESS OF RUBBER AND RUBBER-LIKE MATERIALS

3 Delaminating test of bonded joints and composite material on trim part such as lamination, back compression moulding, in-mould lamination, back foaming, moulding and welding [Flex B]

DIN EN ISO 2411 2023-06	Rubber- or plastics-coated fabrics – Determination of coating adhesion
DIN 53377 2021-11	Testing of plastic films – Determination of dimensional stability

DIN EN 28510-1 2014-07	Adhesives – Peel test for a flexible-bonded-to-rigid-test specimen assembly – Part 1: 90° peel
DIN EN ISO 8510-2 2010-12	Adhesives – Peel test for a flexible-bonded-to-rigid-test specimen assembly – Part 2: 180 degree peel

The following standards or in-house test methods are not subject within the flexible scope:

BMW PR 11737440 2022-09	Formhimmel mit Anbauteilen
BMW PR 308.2 2006-04	Climatic test for bonded joints and composite materials on trim parts
BMW PR 11737719 2024-07	SI inetrior and trunk
BMW PR 389.1 2013-11	Passenger compartment Sl and trunk Sl
BMW PR 388 2020-12 2010-08	Engine Compartment Sound Insulation
MBN 10526 2018-07	Test Methods for Self-Adhesive Components
MBN 51000-6 2022-08	Polymer-based Materials, Material Systems, and Semi-finished Products – Part 6: Mechanical Test
MBN 55555-6 2018-02	Non-metallic material, material systems and semi-finished products – Part 6: Mechanical Test

4 Vibration testing for trim component, Measurement of Annoying Noise (Rattling/Creaking) for Components and Overall Vehicle, Measurement of other function

BMW PR 11737577 2023-05	Vibration test for equipment
BMW PR 309.1 2014-08	Vibration test for equipment components
BMW PR 309.2 2016-03	Vibration test for trim components

BMW PR 11737504 2022-09	Sliding / tilting panoramic roof, skroof, rollom
BMW PR 241.4 2017-01	Sliding / tilting sunroof, panorama roof, elevating sunroof, fixed installed glass panel
BMW PR 241.3 2013-06	Sliding / tilting sunroof, panoramic roof, elevating sunroof, fixed installed glass panel
BMW PR 034.2 2015-05	Folding table test specification Function and Continuous Load Test
BMW PR 261 2019-12 2018-11	Outside rearview mirror
BMW PR 265 2012-06	Head lamps for dipped/main beam halogen, xenon and LED systems
BMW PR 266 2019-11 2016-06	Lights for exterior surface mounting
BMW PR 271 2015-01	Wind screen wiper system
Mercedes Fuvo A2107200000 2014-10	Function Specification – Door Paneling Assembly
Toyota TSC3000G 2017-04 2015-02	General test method for lighting devices
BMW GS 95024-3-1 2024-12 2013-07	Electrical and electronic components in motor vehicles Environmental requirements and testing
VinFast VFDST00062600 2018-08	Vibration test for trim components
MBN 10438 2015-02	Mechanical Vibration Requirements (Broadband Random Vibration) for Detachable Body Parts on Passenger Cars
ISO 16750-3 2012-12	Road vehicles – Environmental conditions and testing for electrical and electronic equipment – Part 3: Mechanical loads

5 Mechanical Properties: Testing of Strength and Forces, predominantly on Vehicle Interior and Body Components

BMW PR 100.6 2017-11	Trim panel A-B-C- and D pillar
BMW PR 11737429 2022-11	BLENDEN A-, B-, C- UND D-SAEULE
BMW PR 101.5 2018-03	Roof grab handle and coat hook system
BMW PR 103.6 2013-06	Sun visor test specification
BMW PR 103.7 2019-07	Sun visors
BMW PR 102.8 2018-03	Moulded headlining and add-on part
BMW PR 11737450 2024-05	Rear shelf with add-on parts
BMW PR 104.6 2017-12	Rear shelf with add-on parts
BMW PR 106.1 2012-08	D-pillar lift
BMW PR 208 2019-12 2017-10	Finishers and trim strips in the area door and side frame
BMW PR 11737472 2023-03	Aperture entry
BMW PR 209 2017-10	Sill finisher
BMW PR 226 2010-11	Covering windshield panel

BMW PR 231 2019-12 2018-12	Seal system doors and lids
BMW PR 223.2 2016-03	Buckling strength / Buckling resistance outer panel
BMW PR 220 2009-07	Dent resistance plastic outer skin
BMW PR 11737558 2024-02	UNDERBODY ATTACHMENTS
BMW PR 292 2017-12	Underbody add-on parts
BMW PR 376.1 2019-10 2010-08	Clamping / stowing elements and mounts in the trunk
BMW PR 11737685 2023_04	Textile trim components in the luggage Compartment
BMW PR 375.5 2018-02	Textile trim components in the luggage compartment as per design described under item 1
BMW PR 372.3 2013-11	Plastic parts in the trunk and passenger compartment bottom
BMW PR 382.1 2010-08	Foot support in passenger compartment

Abbreviations used:

ASTM	American Society for Testing and Materials
BMW AA	BMW work instruction
BMW PR	BMW test procedure
Chrysler LP	Chrysler Laboratory Procedures
DBL	Daimler Benz delivery instruction
Daimler FuVo	Daimler Function Specification
DIN	Deutsches Institut für Normung e. V. – German institute for standardization
EN	Europäische Norm – European Standard
FLTM	Ford Laboratory Test Method
GMW	General Motors Worldwide
GS	Group Standard
Hyundai MS	Hyundai Material Specification
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
Jaguar JNS	Jaguar Standard
MBN	Mercedes Benz Norm
Porsche PPV	Porsche test procedure
PSA	Peugeot Société Anonyme
Renault RT	Renault Trucks SAS
TPJLR	Test Procedure Jaguar and Land Rover
VDA	Association for automobile industry
VFDST	VinFast Standard
VW PV	Volkswagen test procedure
VW TL	Volkswagen technical delivery specification

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D- PL-20658-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from:	**11.05.2023**	**Valid to:**	**10.05.2028**
Date of issue:	14.11.2025		

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temperature, humidity, solar simulation and in their combination environmental simulation test (qualification tests), measurements of three-dimensional deformation of technical products

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Abbreviations used: see last page

1 Photogrammetry

Determination_of_ Dimensional_Photo-grammetry/Tritop_ Deformation_ Analysis_SHE 2017-03	Determination of Dimensional Photogrammetry/Tritop Deformation Analysis Shenyang

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. - German institute for standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization