

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-20119-02-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 24.09.2018 to 14.05.2020

Date of issue: 24.09.2018

Holder of certificate:

FAKT-GmbH
Kraftfahrtechnisches Prüf- und Ingenieurzentrum

with its locations:

Grüntensstraße 5, 87751 Heimertingen
Junkersstraße 1, 87734 Benningen

Tests in the fields:

Testing of motor vehicles and trailers as well as systems, components and independent technical units based on the below-mentioned testing procedures according to the framework directive 2007/46/EC (Vehicle category M, N und O), 2003/37/EC (Towing vehicle) and 2002/24/EC (Two or three-wheel motor vehicles) and National test procedures of the StVZO;

Environmental testing of systems, components and independent technical units of vehicles;
Emission tests of engines/vehicles;
Testing of restraint systems on roads;
Testing the introduction of forces during a bridge trial

Abbreviations used: see last page

The test methods are identified by the following symbols of the sites where they are performed:

A = Grüntensstraße 5, 87751 Heimertingen

B = Junkersstraße 1, 87734 Benningen

1. Testing procedures according to the key data system of KBA A

02 Engine/toxic emission
02-01 Emission of two-, three-and four-wheel vehicles, mopeds, agricultural and forestry tractors, air conditioning systems

02-01-05 Regulation (EC) 715/2007 (incl. Regulation (EC) 692/2008)
02-01-11 UNECE-R 83 Series 06 (compression-ignition engine)

02-03 Emission of diesel engines of two-, three-and four-wheel vehicles, mobile machines and equipments

02-03-03 97/68/EC * 2012/46/EC
02-03-05 2005/55/EC * 2008/74/EC (in connection with 2005/78/EC)
02-03-12 UNECE-R 49 Series 05
02-03-21 UNECE-R 96 Series 03

2. Environmental testing of systems, components and independent technical units of vehicles A

DIN EN 60068-2-1 Environmental testing - Part 2-1: Tests - Test A: Cold
2008-01

DIN EN 60068-2-2 Environmental testing - Part 2-2: Tests - Test B: Dry heat
2008-05

DIN EN 60068-2-6 Environmental testing - Part 2-6: Tests - Test Fc: Vibration
2008-10 (sinusoidal)

DIN EN 60068-2-14 Environmental testing - Part 2-14: Tests - Test N: Change of
2010-04 temperature

DIN EN 60068-2-27 Environmental testing - Part 2-27: Tests - Test Ea and guidance:
2010-02 Shock

DIN EN 60068-2-30 Environmental testing - Part 2-30: Tests - Test Db: Damp heat,
2006-06 cyclic (12 h + 12 h cycle)

DIN EN 60068-2-38 Environmental testing - Part 2-38: Tests - Test Z/AD: Composite
2010-06 temperature/humidity cyclic test

DIN EN 60068-2-52 Environmental testing - Part 2: Tests, Test Kb: Salt mist, cyclic
1996-10 (sodium chloride solution)

Annex to the accreditation certificate D-PL-20119-02-00

DIN EN 60068-2-64 2009-04	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance
DIN EN 60068-2-78 2002-09	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state
DIN EN 60068-2-80 2006-05	Environmental testing - Part 2-80: Tests - Test Fi: Vibration - Mixed mode
DIN EN ISO 9227 2012-09	Corrosion tests in artificial atmospheres - Salt spray tests

3. Emission tests of engines/vehicles A

SN 277206 2009-11	Internal Combustion Engines - Exhaust Gas After-treatment - Particle Filter Systems - Testing Method
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in connection with:

*LRV 814.318.142.1
1985-12*

*Swiss Clean Air Ordinance - Annex 4, Number
3: Requirements on construction vehicles and
their particle filter systems*

4. Testing of restraint systems on roads B

EN 1317-1 2010-07	Road restraint systems - Part 1: Terminology and general criteria for test methods
EN 1317-2 2010-07	Road restraint systems - Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets (Section 5)
EN 1317-3 2010-07	Road restraint systems - Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions (Section 7)
ENV 1317-4 2001	Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers

Annex to the accreditation certificate D-PL-20119-02-00

EN 1317-4 (Entwurf) 2012-07	Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for transitions of safety barriers
EN 1317-7 (Entwurf) 2012-07	Road restraint systems - Part 7: Performance classes, impact test acceptance criteria and test methods for terminals of safety barriers
BSI PAS 68 2010-01	Impact test specification for vehicle security barriers (Section 5)
BSI PAS 68 2013-08	Impact test specification for vehicle security barrier systems (Section 5)
ASTM F 2656 2007	Standard Test Method for Vehicle Crash Testing of Perimeter Barriers
ASTM F2556/F2656M-18	Standard Test Method for Crash Testing of Vehicle Security Barriers
IWA 14-1 2013-11	Vehicle security barriers - Part 1: Performance requirement, vehicle impact test method and performance rating

5. Testing the introduction of forces during a bridge trial B

RiLi FGSV RPS-R1 2009	Directive for passive protection on roads by vehicle restraint systems
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Abbreviations used:

ÄS	State of revision
DIN	German Institute for Standardization
ECE-R	Economic Commission for Europe
EC	European Community
EN	European Standard
EU	European Union
EWG	European Economic Community
ISO	International Organisation of Standardisation
LRV	Swiss Clean Air Ordinance
SN	Swiss Standard
IWA	International Workshop Agreement