

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-19929-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: 02.03.2023

Date of issue: 02.03.2023

This annex is a part of the accreditation certificate D-PL-19929-01-00.

Holder of partial accreditation certificate:

TÜV SÜD Battery Testing GmbH

Location:

**Daimlerstraße 15, 85748 Garching bei München
Argelsrieder Feld 10, 82234 Oberpfaffenhofen**

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 confirm generally with the principles of DIN EN ISO 9001.

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.

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>.

Abbreviations used: see last page

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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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Tests in the fields:

Testing of electric energy storage systems

The test procedures are marked with the symbols listed below for the locations where they are carried out:

G = Garching

O = Oberpfaffenhofen

Subject area	Standard / internal method / version	Title of the standard or internal procedure	Testing area / restrictions
Electrical Engineering	UN ST/SG/AC.10/11/ Rev.7, Corr. 3 2022-10	Recommendations on the Transport of dangerous goods - Manual of Tests and Criteria	G, O <i>only Section 38.3</i>
	UN-R 100 SA 03 2022-09	Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train	G <i>without Annex 8 and Annex 9C</i>
	IEC 62133-1 2017-02	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 1: Nickel systems	G, O
	IEC 62133-2 2021-07	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems	G, O <i>without Section 7.3.9 Forced Internal short circuit</i>
	IEC 62619 2022-05	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications	G <i>without Section 7.3.2 Internal short circuit and without Section 8.1 Analysis for functional safety</i>

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Subject area	Standard / internal method / version	Title of the standard or internal procedure	Testing area / restrictions
	ABNT NBR 15940 2019-11	Batteries lead-acid for use in automotive vehicles of four or more wheels - Specification and test methods	G <i>only Section 8.7 Vibration Resistance</i>
	ABNT NBR 15941 2019-08	Lead-acid batteries for use in motorcycles, tricycles and quadricycle - Specification and test methods	G <i>only Section 7.5 Vibration resistance</i>

Abbreviations used:

ABNT Technical Standard in Brazil, Associacao Brasileira de Normas Tecnicas
IEC International Electrotechnical Commission
UN United Nations

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