

Prüfungszusammenfassung

für Lithiumzellen oder -batterien gemäß Unterabschnitt 38.3 des UN-Prüfhandbuchs

Hinweis zu Transportvorschriften (SV188)

Die im Folgenden aufgeführte Lithiumbatterie/Lithiumzelle ist für den erleichterten
Gefahrgutversand gemäß **Sonderverordnung 188 ADR** qualifiziert.

Information about the manufacturer

Name VARTA Microbattery GmbH
 Address Daimlerstrasse 1
 73479 Ellwangen
 Germany
 Phone +49 7961 921-0
 E-mail info@varta-microbattery.com
 Website www.varta-microbattery.com

Description of the product

Type Lithium metal cell
 Physical description Primary lithium metal button cell

Product test information

Each object of this declaration has been tested and was found to be compliant with the UN Manual of Test and Criteria, Part III, subsection 38.3. This includes all single cells and battery assemblies containing not more than one cell of those given in the following list.

Model	Mass	Lithium content	Edition of the manual of test and criteria ST/SG/AC.10/11	Test report number	Test report date
CR2025	2.5 g	0.05 g	Rev. 5 / Amend. 1 (2011)	1113010379	2013-03-08
CR2025-P	2.5 g	0.05 g	Rev. 5 / Amend. 1 (2011)	JT40805	2014-12-03
CR2025-N	2.7 g	0.052 g	Rev. 6 (2015)	LJKJ20180112U02	2018-02-02

List of tests conducted and results

Test Item	Test Result	Test Item	Test Result
T1. Altitude simulation	pass	T5. External short circuit	pass
T2. Thermal test	pass	T6. Impact/Crush	pass
T3. Vibration	pass	T7. Overcharge	N/A
T4. Shock	pass	T8. Forced Discharge	pass

Test laboratories

The tests were performed by one of the following test laboratories.

Name	Shanghai Research Institute of Chemical Industry Testing Centre (SRICI)	Name	Guangzhou MCM Certification and Testing Co., Ltd
Address	No. 345 Yunling East Road, Pudong Shanghai 200062 China	Address	1 F No. 13, Zhong San Section, Shi Guang Road, Panyu District, Guangzhou City Guangdong Province, China
Phone	+86 21 52569800	Phone	+86 20 34777662
E-mail	msds123@gmail.com	E-mail	markmiao@mcmtek.com
Website	www.ghs.cn	Website	www.mcmtek.com
Name	PT VARTA Microbattery Application test lab		
Address	Jalan Angsana Lot 310, Batamindo Industrial Park Mukakuning Batam, Kepulauan Riau 29433 Indonesia		
Phone	+49 7961 921-0		
E-mail	info@varta-microbattery.com		
Website	www.varta-microbattery.com		

Additional information

In original VARTA packaging the products comply with the following special provisions of international transport regulations:

- IATA DGR: Packing Instruction 968 Section IB
(Transportations of cells or batteries packed with equipment or contained in equipment have to follow Packing Instructions 969 or 970 Section II.)
- ADR/RID/ADN/IMDG Code: Special Provision 188
- DOT / 49 CFR: §173.185 (c)

The products have been manufactured under a quality management program according to IATA DGR clause 3.9.2.6.1 (e), ADR clause 2.2.9.1.7 e), and IMDG code clause 2.9.4.5.

Ellwangen, 2019-07-30

Place and date of issue



Company stamp



Dr. Sebastian Röhler
Manager Product Compliance

Signature