LITHIUM CELLS OR BATTERIES TEST SUMMARY
IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

BATTERY TRANSPORTATION INFORMATION

for Albert Kerbl GmbH, High-visibility gaiters LED, article no. 3230419

Name of cells, battery or product manufacturer, as applicable:

Item Number: Polymer Li-ion Battery 902030

Item Name: Polymer Li-ion Battery 902030

Item Description Polymer Li-ion Battery 902030
3.7V 500mAh 1.85Wh

Cell, battery or product manufacturer's contact information to include address, phone number, email address and website for more information:

Albert Kerbl GmbH
Felizenzell 9
84428 Buchbach (Germany)
Phone: +49 8086 933-100
Email: info@kerbl.de
Website: www.kerbl.de

Name of the test laboratory to include address, phone number, email address and website for more information:

Shenzhen Tiansu Calibration andvTesting Co., Ltd.
B/1,4, No.2 Jinlong Road, Longgang District,
Shenzhen, China
Phone: +86-755 89457984
Email: tsjc@tiansu.org
Website: www.tiansu.org

A unique test report identification number:

TSZ22080335-P01-R01

Date of the latest report:

09-Sept-2022

Description of cell or battery to include at a minimum: Lithium ion or Lithium metal cell or battery; Mass; Watt-hour rating, or lithium content; Physical description of the cell/battery; and Model numbers:

Battery used in consumer power tools.

Cell/battery Type : Cylindrical Li-Ion Battery

Cell or Battery : Battery

LC or W/h rating : 1,85 W/h

Cell or Battery Weight : 9,3 g

List of tests conducted and results (i.e., pass/fail):

Test T.1: Altitude Simulation : *Pass*

Test T.2: Thermal Test : *Pass*

Test T.3: Vibration : *Pass*

Test T.4: Shock : *Pass*

Test T.5 External short circuit : *Pass*

Test T.6: Impact/Crush : *Pass*

Test T.7: Overcharge : *Pass*

Test T.8: Forced discharge : *Pass*

Testing additional comments:

Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3;(f) and 38.3.3;(g)):

Not applicable

Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any:

Revision 7

For air transport only:
Does the cell or battery comply with the 30% State of Charge?

<30%

PRODUKT CLASSIFICATION FOR TRANSPORT (According to UN – DGP)

UN Classification:

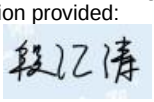
UN3481
Sea: SP 188
Air: PI967, Section II

Proper Shipping Name:

Lithium-Ion Battery contained in equipment

Signature with name and title of signatory as an indication of the validity of information provided:

Testing Manager:



Date document was generated:

13-Jan-2025

This document remains valid as long as no changes, modifications, or additions are made to the model(s) described in this document, after being transported from a Manufactured XYZ facility.
The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification. The model(s) must be packaged, labeled, and documented according to country and other international regulations for transportation.