

CERTIFICATION FOR LITHIUM BATTERY TRANSPORTATION CERTIFICATE

Concerning the transport according to the Dangerous Goods Regulations in air / road / sea transport modes

WE HEREBY DECLARE THAT EACH BATTERY PACK IS OF THE TYPE PROVED TO MEET THE REQUIREMENTS OF EACH APPLICABLE TEST IN THE RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS, UN MANUAL OF TESTS AND CRITERIA, PART III, SUB-SECTION 38.3, REV. 6, AMEND. 1

CERTIFICATE/REPORT NO.: BMZPL-2019-03-UN based on Test Report no.: S 59/2016/1 dated 30.08.2016	
UN no. / Shipping name:	UN 3480 Lithium Ion Battery
Certified product:	Lithium Ion Battery (rechargeable)
Model designation:	3S7P US 18650BL (10,8V / 23,45Ah)
Article no.:	27505-03 / 500270-02
Customer / Project:	Santi

PERFORMED TESTS			RESULTS
38.3.4.1	Test 1:	Altitude Simulation	Passed
38.3.4.2	Test 2:	Thermal Test	Passed
38.3.4.3	Test 3:	Vibration	Passed
38.3.4.4	Test 4:	Shock	Passed
38.3.4.5	Test 5:	External Short Circuit	Passed
38.3.4.6	Test 6:	Impact / Crush	N/A
38.3.4.7	Test 7:	Overcharge	Passed
38.3.4.8	Test 8:	Forced-Discharge	N/A

Watt-hour rating of the battery pack: 253,26Wh.

The Lithium Ion Battery Pack has to be declared and shipped as Dangerous Goods "Class 9". Fully regulated for transport as Class 9, see Packing Instruction 965 in section IA of the IATA DGR, and packing Instruction P903 of ADR & IMDG. The Dangerous Goods label "Class 9" is required.

Please check separation rules, if batteries must be send with other Dangerous Goods.

Lithium ion cells and batteries must be offered for AIR transport at a state of charge (SoC) not exceeding 30% of their rated capacity.

Gliwice, 05.03.2019

Date:



Maciej Lula
Cell and certification specialist



Daniel Reclik
R&D Manager