

CERTIFICATE NUMBER No. 404300-1 TC

Transportation Certificate for the LIPS 16

Lithium cell or battery test summary in accordance with subsection 38.3 of Manual of Tests and Criteria.

(A) BATTERY NAME

LINCAD ITEM	LIPS 16
LINCAD Part No.	404300-2001

(B) CONTACT INFORMATION

As in header above

(C) TEST LABORATORIES

Test	Test laboratory	Test Certificate No.
Altitude Simulation (T1) Vibration (T3) Shock (T4)	BAE systems (Operations) Limited The Faraday Test Centre. Marconi Way Rochester, Kent ME1 2XX Telephone 01634 205641 Email faraday.test@baesystems.com	20025

Test	Test laboratory	Test Certificate No.
Vibration (T3) Shock (T4)	Mead Testing Ltd Unit 25 Mead Park. Harlow, Essex, CM20 2SE 01279-635864 sales@meadtest.com www.meadtest.com	ENJ1188

(D&E) TEST REPORTS & DATES

TEST T1-5	Lincad TR 1206 11 May 2020
TEST T7	Lincad TR 1207 11 May 2020

(F) DESCRIPTION OF BATTERY

BATTERY TYPE	LITHIUM-ION
MASS (Kg)	15

WATT-HOUR RATING (Wh)	2160
PHYSICAL DESCRIPTION	This battery comprises a series-parallel configuration of lithium-ion cells with associated BMS in an aluminium housing. The system provides a nominal 25 Volts and 85 Ah
MODEL NUMBERS	Test samples 1 - 4

(G) TEST RESULTS

Test No.	Test Description	Test Result
T1	Altitude simulation	Pass
T2	Thermal test	Pass
T3	Vibration	Pass
T4	Shock	Pass
T5	External short circuit	Pass
T6	Impact	Pass tested by cell manufacturer
T7	Overcharge	Pass
T8	Forced discharge	Pass tested by cell manufacturer

(H) ADDITIONAL INFORMATION

The cell incorporated in this battery was tested by the cell manufacturer and confirmed to meet the requirements of UN38.3

(I) MANUAL OF TESTS AND CRITERIA REVISION USED

Transport of dangerous Goods, manual of Tests and Criteria	ST/SG/AC.10/11/Rev 6/Amend 1
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Signed on behalf of Lincad Ltd



11 May 2020

G. Durham

Research Manager