



## UN38.3 CERTIFICATE OF COMPLIANCE

**UN MANUAL OF TESTS AND CRITERIA, PART III, Sub Section 38.3 Rev. 6**  
**Lithium-Ion Rechargeable Batteries (ST/SG/AC.10/11/Rev. 6)**

This is to certify that the following battery has been proven to comply with the requirements of the UN Manual of Tests and Criteria, Sixth Revised Edition, Part III sub-section 38.3 (Rev. 6). Lithium Batteries - (ST/SG/AC. 10/11/Rev. 6)

### Manufacturer

Name: Fedco Batteries		Address: 1363 Capital Drive	
City: Fond du Lac	State: WI	Zip: 54936-1403	Country: USA
Phone: 920-922-6490	E-mail: info@fedcobatteries.com	Website: fedcobatteries.com	

### Test Laboratory

Name: SGS North America		Address: 620 Old Peachtree Road, Suite 100	
City: Suwanee	State: GA	Zip: 30024	Country: US
Phone: 770-570-1800	E-mail: suwanne.customercare@sgs.com	Website: sgsgroup.com	

### Battery Description

Stock Code No.: 2/LS14500-4	Product Description: 1s2p Lithium Thionyl Chloride Pack
Cell Manufacturer: Saft	Cell Part Number: LS14500
Cell Configuration: 1S2P	Nominal Voltage: 3.6 V
Nominal Capacity: 5200 mAh	Nominal Watt-hour: 18.72 Wh
Mass: 39.2 g	Date of Test Report: 1/6/2021
Physical Description: 2.1 x 1.32 x .620 inch pack	Test Report ID: 4719448

### TESTS AND RESULTS:

Test Number	Test Description	Requirements	Results
38.3.4.1 (T-1)	Altitude Simulation	No mass loss, leakage, venting, rupture or fire. OCV >90% of value before the test.	Pass
38.3.4.2 (T-2)	Thermal Cycling	No mass loss, leakage, venting, rupture or fire. OCV >90% of value before the test.	Pass
38.3.4.3 (T-3)	Vibration	No mass loss, leakage, venting, rupture or fire. OCV >90% of value before the test.	Pass
38.3.4.4 (T-4)	Shock	No mass loss, leakage, venting, rupture or fire. OCV >90% of value before the test.	Pass
38.3.4.5 (T-5)	External Short Circuit	External Temperature <170°C. No disassembly, rupture or fire within 6 hours of test.	Pass
38.3.7.6 (T-6)	Impact	This test is for cells only.	N/A
38.3.4.7 (T-7)	Overcharge	No disassembly or fire within 7 days of test. This test is for rechargeable batteries only.	Pass
38.3.4.8 (T-8)	Forced Discharge	This test is for cells only	N/A

Reviewed by:

*Doug Miller*

Doug Miller  
Engineering Manager  
Date: 1/6/21

Approved by:

*Stephen P. Victor, Jr.*

Stephen P. Victor, Jr. Vice  
Chairman & C.E.O.  
Date: 1/6/21