

## UN 38.3 Lithium Battery Test Summary

### Cell, Battery or Product Model Number

Item Number: TR-830

Item Name: 3M™ Versaflo™ Battery TR-830

### Cell, battery or product manufacturer's contact information

Name: 3M Personal Safety Division

Address: 3M Center, 235-02-E-91

City: St. Paul State: MN ZIP: 55144-1000 Country: United States

Telephone: +1 800-243-4630 Email: psdtechnicalsupport@mmm.com Website: <https://www.3m.com/>

### Test Laboratory

Name: UL LLC

Address: 333 Pfingsten Road

City: Northbrook State: IL ZIP: 60062-2096 Country: United States

Telephone: 847.272.8800 Email: cec@ul.com Website: UL.com

### Cell or Battery Description

Cell or Battery: Battery (10.96 Vdc, 4.0Ah)

Cell or Battery Type: Lithium Ion

Watt-hour rating or Lithium Content: 44Wh

Completed Cell or Battery Weight: 675g

Unique Test Report ID Number: 20160630-4787109638

Physical Description (dimensions, appearance):

Hard-case pack with three cells in series with protective circuitry. (3S1P)

Size: 227mm x 55mm x 67mm

Date of test report: 30-Jun-16

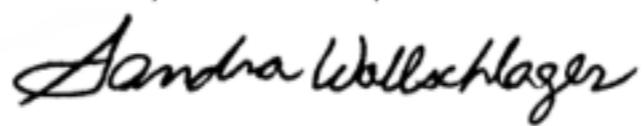
Yes	No	List of Tests Completed:	Pass	Fail	Additional Comments (or indicate compliance with other standards, eg., Underwriters Laboratory):
X		Test T.1: Altitude simulation	X		
X		Test T.2: Thermal test	X		
X		Test T.3: Vibration	X		Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3 (f) and 38.3.3 (g)).
X		Test T.4: Shock	X		
X		Test T.5: External short circuit	X		
X		Test T.6: Impact/Crush			Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any:
X		Test T.7: Overcharge	X		UN Manual of Tests & Criteria, Transport of Dangerous Goods, Sixth Edition
X		Test T.8: Forced discharge			

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

Date:

Signatory: Sandra Wollschlager

PSD Sustainability and Product Stewardship Manager



27-Dec-19