	Total Quality Management System Procedures		Document No: 	Issue No: Revision No: 1 0
	UN38.3 Lithium Test Summary			
Created on: 18 th December 2019	Date of Revision: 18 th December 2019		Designed by: Paul Stirling	Page No 1 of 1
Amendment Reference No:		Change Approved by:		

The following document contains a test summary for Lithium Cells or Batteries in Accordance with sub-section 38.3 of the UN Manual of Tests and Criteria

Product Manufacturer	PMBL Limited Unit D Leach Road Chard Business Park Chard Somerset, UK TA20 1FA	Telephone:	01460 66366
		Email:	solutions@pmbL.co.uk
		Web:	www.pmbL.co.uk

PMBL Limited products that are manufactured from Lithium Cells have been successfully tested and comply with sub-section 38.3 of the UN Manual of Tests and Criteria.

Performed Tests*

Test No	Test Ref	Test Description	Results
38.3.4.1	T1	Altitude Simulation	Pass
38.3.4.2	T2	Thermal Test	Pass
38.3.4.3	T3	Vibration	Pass
38.3.4.4	T4	Shock	Pass
38.3.4.5	T5	External Short Circuit	Pass
38.3.4.6	T6	Impact / Crush	Pass
38.3.4.7	T7	Overcharge	Pass
38.3.4.8	T8	Forced Discharge	Pass


The UN38.3 tests were performed by one of the following test houses and were tested to the UN Manual Test and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments

*Any tests that have been identified on the main UN38.3 test reports as being "Not Applicable" for that report is referenced on the Product Test Information Sheet (Page 2 onwards)

Test House Ref	Company Name	Address & Contact Details
B1	Bureau Veritas Consumer Products Services (HK) Ltd	Taoyuan Branch No 47-2, 14 th Ling, Chia Pau Vil. Lin Kou Dist, New Taipei City Taiwan
B2	Statement only from Supplier – Test House Unknown	Not Applicable
B3	Full Report – Test House is not stated on the report	Not Applicable

Product Test Information (Wh = Nv x Cap)

Model Number	Chemistry	Description	Mass (g)	Rating (Wh)	Test Report Number	Test House	Test Not Applicable	Test Report Date	MSDS	Drop Test
E01881	Li Ion	Gasman (Sanyo UF553450Z)	18.5	3.44	Statement UF553450Z	B2	T7	22/01/2013		
E01930	Li Ion	Tetra 3 (Sanyo UF103450P)	38.5	6.95	Statement UF103450P	B2	T7	22/01/2013		
E04008	Li Ion	Gas Pro (Sanyo UF103450P)	38.5	6.95	Statement UF103450P	B2	T7	22/01/2013		
D110000143 (SO12342)	Li Ion	T4 (MoliceI ICP103450CA)	40.5	7.25	UNT181031C21	B1	T7	05/12/2018		
D110000045 (E11091)	Li Ion	Libra (Tenergy 30012 18650-2.2)	45.0	8.14	24-UNR-1303001	B3	T7	11/03/2013		
D110000046 (E011093)	Li Ion	Tetra (Tenergy 30012 18650-2.2)	45.0	8.14	24-UNR-1303001	B3	T7	11/03/2013		

Signature		Position	Quality Control Manager
Print	Paul Stirling	Date	18 th February 2020