

1. Name, Type, Manufacturer part number, designator of cell / battery
Shenzhen Pucent Technology Co.,Ltd Li-Polymer Battery Pucent 102248

2. Manufacturer of the cell / battery	
Name	Shenzhen Pucent Technology Co.,Ltd
Address	Floor 2, No. 16, Tongfuyu Industrial Zone, Xinhe Community, Fuhai Street, Bao 'an District , Shenzhen
Phone	0755-29974699
E-mail	pucent@pucent.com
Website	www.pucent.com

3. Test laboratory of cell / battery	
UN 38.3 Test Report	
Name	Pony testing International Group
Address	Building 6,ZhongXing Industrial city,ChuangYe Rd.,NanShan Dist,Shenzhen,China 518054
Phone	0755-26050909
E-mail	sz@ponytest.com
Website	www.ponytest.com

4. ID-number and date			
Unique test report identification number	MMIAHTFW53371521. Rt90sp3uc	Date of test report	2018-04-04

DESCRIPTION OF CELL / BATTERY

5. Mark the type of cell/battery with an <input checked="" type="checkbox"/>			
Lithium ion cell	<input type="checkbox"/>	Lithium metal cell	<input type="checkbox"/>
Lithium ion battery	<input checked="" type="checkbox"/>	Lithium metal battery	<input type="checkbox"/>
Lithium hybrid battery	<input type="checkbox"/>		

6. Parameters	Cell	Battery
Mass in gram (g):		19.2
Lithium ion: Indicate watt-hour rating (Wh):		3.7
Lithium metal: Indicate lithium metal content in gram (g):		
Lithium Hybrid: Lithium content in gram (g) and watt-hour rating (Wh):		g Wh

7. Physical description of the cell / battery					
Sample Description	Li-Polymer Battery	Sample Model	PUCENT 102248		
Applicant	SHENZHEN PUCENT TECHNOLOGY CO.,LTD				
Manufacturer	SHENZHEN PUCENT TECHNOLOGY CO.,LTD				
Nominal Voltage	3.7V	Rated Capacity	1Ah	Limited Charge Voltage	4.2V
Charge Current	0.2A	Maximum Continuous Charge Current	0.5A	End Charge Current	0.01A
Cut-off Voltage	3.0V	Maximum Discharge Current	1A	Use	---
Cell Number In Each Battery	1PCS	Cell Model	PUCENT 102248	Cell Capacity	1Ah

8. Model numbers
PUCENT 102248

TESTS AND RESULTS

9. List of tests conducted and results – Mark N/A, pass or fail with an <input checked="" type="checkbox"/>	N/A	passed	fail
T1 - Altitude Simulation	<input type="checkbox"/>	√	<input type="checkbox"/>
T2 - Thermal Test	<input type="checkbox"/>	√	<input type="checkbox"/>
T3 - Vibration	<input type="checkbox"/>	√	<input type="checkbox"/>
T4 - Shock	<input type="checkbox"/>	√	<input type="checkbox"/>
T5 - External Short Circuit	<input type="checkbox"/>	√	<input type="checkbox"/>
T6 - Impact / Crush	<input type="checkbox"/>	√	<input type="checkbox"/>
T7 - Overcharge	<input type="checkbox"/>	√	<input type="checkbox"/>
T8 - Forced Discharge	<input type="checkbox"/>	√	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. Reference to test requirements for composite batteries	<input type="checkbox"/>
	N/A

11. Reference to the revised edition of the Manual of Tests and Criteria used and any amendments thereto
ST/SG/AC.10/11/Rev.6, Part III sub-section

ADDITIONAL SUPPLIER INQUIRY

12. Quality management system for the production of cells/batteries	√	YES	<input type="checkbox"/>	NO
Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?				

13. Are the following parameters exceeded?	<input type="checkbox"/>	YES	√	NO
Lithium-Ionen-Zelle: mehr als 20 Wh				
Lithium-Ionen-Batterie: mehr als 100 Wh				
Lithium-Metall-Zelle: mehr als 1 g Lithium				
Lithium-Metall-Batterie: mehr als 2 g Lithium				
Lithium-Hybrid-Batterie: Mehr als 1,5 g Lithium und/oder mehr als 10 Wh				

Check point 14 – 16 need to be answered when 13 has been ticked “YES“:							
14. Does each cell / battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?		<input type="checkbox"/>	YES	<input type="checkbox"/>	NO		
15. Is each cell / battery equipped with an effective means of preventing external short circuits?		<input type="checkbox"/>	YES	<input type="checkbox"/>	NO		
16. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)?		<input type="checkbox"/>	N/A	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO

17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells/batteries and lithium polymer cells/batteries					
State of Charge (SoC) max. 30 %		<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO

CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the cells / batteries are installed in articles:							
18.a) Only button cells enclosed?		<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO		
18.b) Number of enclosed cells (other than button cells)/batteries per equipment							
Enclosed cells per equipment		Enclosed batteries per equipment		<input checked="" type="checkbox"/>			
When the equipment is intentionally active/switched on during transport e.g. data loggers:							
18.c) Confirmation that no dangerous amount of heat is emitted from the equipment		<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160		<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO

19. Place, Date	20. surname, first name	21. company stamp and signature of the suppliers
19/12/2019	PASTORE FEDERICO	ITALECO S.R.L.

ITALECO Srl
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