

Certificate of UN test for Lithium ion cell

Customer Model : NCR18650
 Global Code : NCR-B/T12SEB
 Product Name : NCR18650T-Y001D


 S.Watanabe General Manager
 Portable Rechargeable Battery Business Division
 SANYO Electric Co., Ltd.

We declare that this cell passed UN test.

Manual of Tests and Criteria (38.3 Lithium batteries)		Test results	Note	Number of test cells	
No.	Test item				
T 1	Altitude simulation	Pass		First cycle fully charged 10 cells	
T 2	Thermal test	Pass			
T 3	Vibration	Pass			
T 4	Shock	Pass			
T 5	External short circuit	Pass			
T 6	Crush	Pass		First cycle 50% charged 5 cells	
T 7	Overcharge	-	For battery only	For battery only.	
T 8	Forced discharge	Pass		First cycle, fully discharged 10 cells	After 50 cycles, fully discharged 10 cells

*The test data may contain additional test result other than above table.

Lithium ion cell Specification

Item	Nominal value	Note
Watt-hour rating	9.8 Wh	
Lithium equivalent content	0.81 g	

Above test procedures are compliant to the following manual.

(Manual of Tests and Criteria ST/AC.10/11/Rev.5A1, PartIII, sub-section 38.3)

Certificate of Package Drop Test for

Customer Model : NCR18650
 Global Code : NCR-B/T12SEB
 Product Name : NCR18650T-Y001D


 H.Kuroda Senior Manager
 Technical Administration Group
 Portable Rechargeable Battery Business Division
 SANYO Electric Co., Ltd.

We declare that this cell passed UN test.

Test item	Test results	Note
Package Drop Test	Pass	The package shall be dropped from 1.2m high on to a concrete surface (flat and horizontal) with five orientations (drop once a sample) ; (1)flat on the bottom, (2)flat on the top, (3)flat on the long side, (4)flat on the short side, (5)on the corner

Lithium ion cell Specification

Item	Nominal value	Note
Watt-hour rating	9.8 Wh	
Lithium equivalent content	0.81 g	

Above test procedures are compliant to the following regulation.
 (Model Regulations ST/SG/AC.10/1/Rev.17, Special Provision188)