

Certificate of UN test for Lithium ion cell

M. Takahashi

T. Takahashi General Manager
Rechargeable Battery, Business Division
SANYO Electric Co., Ltd.

Product Name : NCA103450

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	8.0 Wh	
Lithium equivalent content	0.66 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 Lithium ion cell



H. Kuroda General Manager
 Technology Planning Department
 Rechargeable Battery Business Division
 SANYO Electric Co., Ltd.

Product Name : NCA103450

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	8.0 Wh	
Lithium equivalent content	0.66 g	

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