

Lithium Battery Test Summary / UN38.3 試験結果要約

Product manufacturer	Panasonic Corporation
Address/住所	1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
Telephone/電話番号	+81-6-6994-4560
e-mail	un38.3_microbattery@ml.jp.panasonic.com
URL	https://www.panasonic.com/global/home.html
Test laboratory	Panasonic Corporation
Address/住所	1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
Telephone/電話番号	+81-6-6994-4560
e-mail	un38.3_microbattery@ml.jp.panasonic.com
URL	https://www.panasonic.com/global/home.html

Description of Product / 製品情報

Model Number/品番	CR123A (US)
Type/タイプ	Lithium metal cell
Physical description/物理特性	Non-rechargeable, Cylindrical
Mass/質量	17 g
Lithium content/リチウム含有量	0.6 g
Watt-hour rating/ワット時定格値	Not applicable
Nominal Voltage/公称電圧	3.0 V
Nominal Capacity/公称容量	1400 mAh


Test Results / 結果

Identification number/番号	CP0015-13
Date of test report/レポート発行日	2013/09/26
Reference edition/参照	UN Manual of Tests and Criteria 4th Amend.1 and 5th Amend.1 edition

UN Manual of Tests and Criteria 国連勧告テスト判定基準	Results 結果	Remarks 備考
T1 : Altitude simulation / 高度シミュレーション	Pass / 合格	
T2 : Thermal Test / 温度試験	Pass / 合格	
T3 : Vibration / 振動	Pass / 合格	
T4 : Shock / 衝撃	Pass / 合格	
T5 : External short circuit / 外部短絡	Pass / 合格	
T6 : Impact / 衝突, Crush / 圧壊	Pass / 合格	Impact / 衝突
T7 : Overcharge / 過充電	-	for rechargeable batteries only / 充電式電池のみ
T8 : Forced discharge / 強制放電	Pass / 合格	

Hereby we certify that this model of Lithium battery meets the requirements of each test in the UN Manual of Tests and Criteria Part III, sub-section 38.3.

上記テストは国連勧告テスト(Manual of Tests and Criteria, Part III, sub-section 38.3.)に従い確認された結果であることを証明致します。

Signature: 

Name and Title: Kazuyuki Amano / Manager  
(空欄) Energy Device Business Division

## UN Manual of Tests Part III, Subsection 38.3 DURACELL® – Lithium Metal MnO2 Batteries

March 19, 2019

To Whom It May Concern:

The **DURACELL®** - lithium metal manganese dioxide batteries:

**Size/Designations:**

**HPL:** 123A, 223, 245, 1/3N, CR2, CRV3

**Coin cells:** 1216, 1220, 1616, 1620, 1632, 2016, 2025, 2032, 2430, 2450, 2477

have been tested in accordance with the United Nations Manual of Tests and Criteria, Part III, sub-section 38.3. We hereby certify that the product meets the requirements of the tests in the Manual of Tests and Criteria as stated below.

**Packaging 1.2m Drop Test:**

The DURACELL shipping package/carton for the above lithium cell/battery is capable of withstanding a 1.2 meter drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery (or cell to cell) contact and without release of contents.

T1: Altitude simulation	Pass
T2: Thermal test	Pass
T3: Vibration	Pass
T4: Shock	Pass
T5: External Short Circuit	Pass
T6: Impact	Pass
T7: Overcharge	N/A – for rechargeable batteries only
T8: Forced Discharge	Pass

Sincerely,



Stephen Benoit

**DURACELL**, Bethel CT 06801  
Manager Product Safety & Regulatory