

Lithium Battery Test Summary CR123

Product: Energizer CR123 (IEC CR17345) Lithium Batteries

Name of cell manufacturer	Energizer Brands, LLC
Cell manufacturer contact information	533 Maryville University Drive, St. Louis, MO 63141 314-985-2000 E-mail: Enviro-Regulatory@Energizer.com www.energizer.com
Test laboratory contact information	Energizer 25225 Detroit Road, Westlake, OH 44145 1-800-383-7323 E-mail: Enviro-Regulatory@Energizer.com www.energizer.com
Test report identification number	1118120059 123:A:012018 123:F:092016 123:J:092017
Date of test report	5 Dec 2018 1 Jan 2018 21 Sept 2016 9 Sept 2017
Description of cell	Battery type: Lithium Manganese Dioxide Battery Weight of battery: 16.5 g Lithium content: less than 1 g Battery description: 2L76 Lithium photo cell Model Number: CR123
Reference assembled battery testing requirements	N/A



Energizer hereby certifies that the CR123 cell meets all the requirements outlined in the Manual of Tests and Criteria of the UN Recommendations on the Transport of Dangerous Goods, Part III, sub-section 38.3. The CR123 battery passes all the T-test as described in the table below.

Manual of Tests and Criteria (38.3 Rev. 6 Lithium batteries)		Test Result
Number	Test	Pass
T1	Altitude simulation	Pass
T2	Thermal test	Pass
T3	Vibration	Pass
T4	Shock	Pass
T5	External short circuit	Pass
T6	Impact	Pass
T7	Overcharge	Not applicable
T8	Forced discharge	Pass
--	1.2 Meter Drop Test (packaging test)	
	2.5 kg maximum air shipment packaging	Pass
	Volume pack (< 30 kg)	Pass



Marcus K. Boolish
 Manager of Environmental Affairs, Standards & Product Safety
 13 November 2019

