

## Lithium Battery Test Summary CR2032

**Product: Energizer CR2032 Lithium Batteries**

<b>Name of cell manufacturer</b>	<b>Energizer Brands, LLC</b>
<b>Cell manufacturer contact information</b>	533 Maryville University Drive, St. Louis, MO 63141 314-985-2000 <a href="mailto:LiTransport@energizer.com">LiTransport@energizer.com</a> <a href="http://www.energizer.com">www.energizer.com</a>
<b>Test laboratory contact information</b>	Energizer
<b>Test report identification number</b>	2032:A:012018 2032:E:012017 2032:F:102014 2032:I:012019
<b>Date of test report</b>	1 Jan 2018 20 Jan 2017 14 Oct 2014 8 Jan 2019
<b>Description of cell</b>	<b>Battery type:</b> Lithium Manganese Dioxide Battery <b>Weight of battery:</b> 3g <b>Lithium content:</b> less than 0.3 g <b>Battery description:</b> CR2032 Lithium Coin Cell <b>Model Number:</b> CR2032
<b>Reference assembled battery testing requirements</b>	N/A



Energizer hereby certifies that the CR2032 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 CR2032 battery passes all the T-test as described in the table below.

Manual of Tests and Criteria (38.3 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  
4 February 2018



Energizer

