

# DURACELL LITHIUM COIN CELLS

## TEST SUMMARY

IN ACCORDANCE WITH SUB-SECTION 38.3 OF THE MANUAL OF TESTS AND CRITERIA

### CELL/BATTERY UN38.3 TEST SUMMARY

**Revision Date:** November 20, 2019

**Revision Number:** Coin\_TS-2020-REV1

**Product Manufacturer:** DURACELL US Operations Inc., 14 Research Drive, Bethel CT. 06801 USA

**Telephone:** 203-796-4523, **Email:** UN38.3\_Duracell@duracell.com, **Web:** www.duracell.com

**Test Laboratory:** DURACELL US Operations Inc., 14 Research Drive, Bethel CT. 06801 USA

**Telephone:** 203-796-4523, **Email:** UN38.3\_Duracell@duracell.com, **Web:** www.duracell.com

DURACELL's product lithium metal cells and batteries have been successfully tested and comply with the UN Model Regulations, Manual of Tests and Criteria, Part III, subsection 38.3.

UN38.3 PERFORMED TESTS			RESULTS
38.3.4.1	T1	Altitude Simulation	PASS
38.3.4.2	T2	Thermal Test	PASS
38.3.4.3	T3	Vibration	PASS
38.3.4.4	T4	Shock	PASS
38.3.4.5	T5	External Short Circuit	PASS
38.3.4.6	T6	Impact/Crush	PASS
38.3.4.7	T7	Overcharge	N/A
38.3.4.8	T8	Forced Discharge	PASS

### PRODUCT TEST INFORMATION

The cells and batteries listed below were tested to UN Manual Tests and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

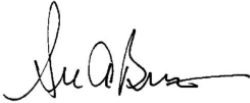
Model Number	Physical Description	Battery Mass	Lithium grams	Test Report Number	Test Report Date
1220	Li Metal coin cell, CR1220, DL1220	1.0g	0.01g	No. CP0005-8	7/30/2008
1616	Li Metal coin cell, CR1616, DL1616	1.2g	0.02g	No. CP0002-8	7/23/2008
1616	Li Metal coin cell, CR1616, DL1616	1.2g	0.02g	LJKL20180604U01	06/22/2018
1620	Li Metal coin cell, CR1620, DL1620	1.3g	0.02g	No. CP0010-6	8/5/2008
1632	Li Metal coin cell, CR1632, DL1632	1.8g	0.04g	No. CP0018-7	9/12/2018
1632	Li Metal coin cell, CR1632, DL1632	2.0g	0.03g	LJKJ20180901U08	9/25/2018
2016	Li Metal coin cell, CR2016, DL2016	1.7g	0.03g	RZUN2019-2931	10/18/2019
2016	Li Metal coin cell, CR2016, DL2016	2.0g	0.03g	LJKJ20180901U09	9/25/2018

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<b>2025</b>	Li Metal coin cell, CR2025, DL2025	2.4g	0.05g	RZUN2019-2933	10/18/2019
<b>2025</b>	Li Metal coin cell, CR2025, DL2025	2.6g	0.04g	LJKJ20180112U02	2/1/2018
<b>2032</b>	Li Metal coin cell, CR2032, DL2032	2.9g	0.07g	RZUN2016-3925	12/27/2016
<b>2032</b>	Li Metal coin cell, CR2032, DL2032	3.2g	0.07g	LJKJ20180112U01	2/1/2018
<b>2430</b>	Li Metal coin cell, CR2430, DL2430	4.5g	0.08g	RZUN2019-2934	12/29/2016
<b>2430</b>	Li Metal coin cell, CR2430, DL2430	4.5g	0.09g	LJKJ20180901U05	9/25/2018
<b>2450</b>	Li Metal coin cell, CR2450, DL2450	6.3g	0.18g	No. CP0024-7	1/21/2009
<b>2450</b>	Li Metal coin cell, CR2450, DL2450	6.3g	0.17g	LJKJ20180405Z01	4/25/2018

<b>Signature with name and Job Title of signatory:</b>  Stephen Benoit <b>DURACELL</b> <i>Manager of Product Safety and Regulatory</i> 	<b>Date this document was generated:</b>  November 20, 2019
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