



Test Report

No.T32020211607SC-01

Date: FEB 10, 2020

Page 1 of 4

NEW LEADER BATTERY LIMITED
FLAT A, 4/F, BLOCK 1, CAMELPAINT BUILDING, 62 HOI YUEN ROAD, KWUN TONG, HONG KONG

This report supersedes all previous documents bearing the test report number T32020211607SC.

The following samples were submitted and identified on behalf of the client as:

1.5 VOLT 0.% HG MERCURY FREE ALKALINE ZINC MANGANESE BUTTON CELL

SGS Case No. : CA320202127289
 Style / Item No. : G 13/LR44/357/A76, LR44 (EXP), LR44 (HG.PB), G 12/ LR43/386/186, G 11/LR721/362/162, G 10/LR1130/389/189, G 9/ LR936/394/194, G 8/LR1120 /391/191, G7 / LR927/395/195, G6 /LR920/371 / 171, G5 /LR754 / 393/193, G4 / LR626 / 377/177, G3/ LR41 / 393/192, G2/ LR726/SR726/ 196, G1/LR621/364/164, G 0/LR521/SR521, LR932, LR732, LR632
 Sample Receiving Date : JAN 21, 2020
 Test Performing Date : JAN 21 - 31, 2020

Test Requested		Conclusion
1.	European Directive 2006/66/EC and its amendments (Directive 2013/56/EU) – Lead, Cadmium and Mercury Content	PASS
2.	US Public Law 104-142 (1996) Title II – Mercury-Containing Battery Management Act – Mercury Content	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS Hong Kong Ltd.

Cheung Cheuk Fung, Henry
Assistant Operations Manager



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Results:

1. European Directive 2006/66/EC and its amendments (Directive 2013/56/EU) – Lead, Cadmium and Mercury Content

Method: With reference to IEC 62321-4:2013, IEC 62321-5:2013

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Atomic Absorption Spectrometer (AAS) / Direct Mercury Analyzer (DMA)

For Button Cells

Test Item(s)	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)
MDL (%)	0.001	0.001	0.0001
Labeling requirement (%)	> 0.004	> 0.002	--
Permissible Limit (%)	--	0.002	0.0005
Specimen Description	Result(s) (%)		
1. Silvery button cell	ND	ND	ND

- Note:
- % = percentage by weight
 - ND = Not Detected (lower than MDL)
 - 1% = 10000 mg/kg = 10000 ppm
 - > = greater than

2. US Public Law 104-142 (1996) Title II – Mercury-Containing Battery Management Act – Mercury Content

Method: IEC 62321-4:2013

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Direct Mercury Analyzer (DMA)

For Alkaline Manganese Button Cell

Test Item(s)	Mercury (Hg)
MDL (mg/cell)	10
Permissible Limit (mg/cell)	25
Specimen Description	Result(s) (mg/cell)
1. Silvery button cell	ND

- Note:
- mg/cell = milligram per cell
 - ND = Not Detected (lower than MDL)

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Sample Photo:



Tested sample



Photo provided by client



Photo provided by client

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Photo provided by client



Photo provided by client

SGS authenticate the photo on original report only

*** End of Report ***