




Test Report

Applicant	:	
Applicant Address	:	
Manufacturer	:	
Manufacturer Address	:	
Product	:	Lithium manganese button battery
Model No.	:	CR2032, CR2025, CR1632, CR1625, CR1220, CR927, CR2016, CR2450
Trademark	:	N/A
Date of Issue	:	Jan.10,2020

Test Requested	Selected test(s) as requested by client.
Test Method	Please refer to next page(s).
Test Results	Please refer to next page(s).
Conclusion	Based on the performed tests on submitted sample(s), the results comply with the Directive 2013/56/EU.

: : : :

Approved by: Kevin Yang
 (Kevin Yang)





Test Results:

Description for specimen 1 : Lithium manganese button battery

Remarks .:

- (1) 1 mg/kg = 1 ppm = 0.0001% .
- (2) MDL = Method Detection Limit .
- (3) ND = Not Detected (< MDL) .
- (4) "-" = Not Regulated .

Directive 2006/66/EC and its Article 4 amendment of Directive 2013/56/EU – Heavy Metals Content in Batteries and Accumulators.

Test Method .: Acid digestion method, analysis was performed by ICP-OES. .

Test Item(s).	Limit.	Unit.	MDL.	001.
Cadmium (Cd).	0.0020	%(w/w).	0.0010	ND
Lead (Pb).	-	%(w/w).	0.0010	ND
Mercury (Hg).	0.0005	%(w/w).	0.0001	ND

Notes .:

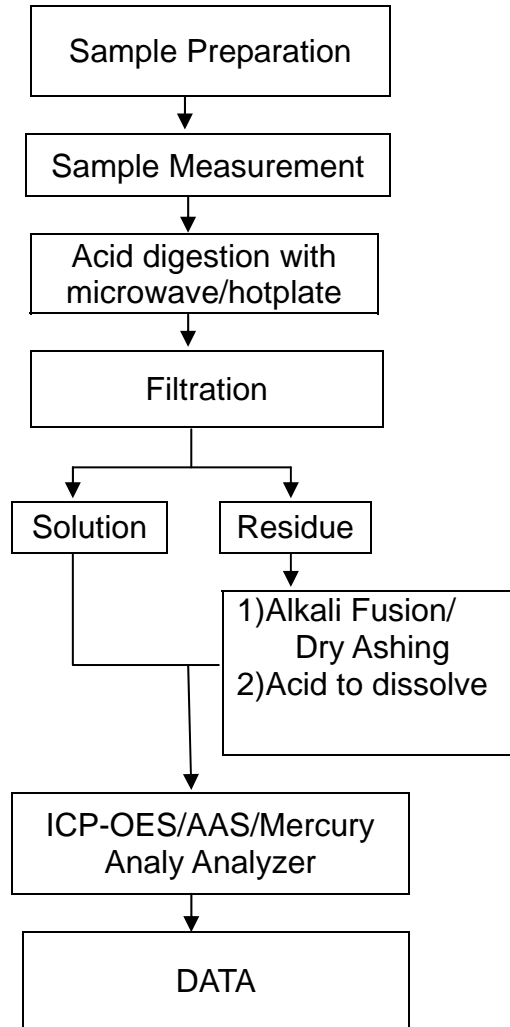
- (1) Results shown are of total weight of the battery sample.
- (2) According to the directive 2006/66/EC and its Article 4 amendment of Directive 2013/56/EU, all types of battery shall include the chemical symbol Lead when containing more than 0.004% of Pb. .

Remark: The photo was submitted by client.

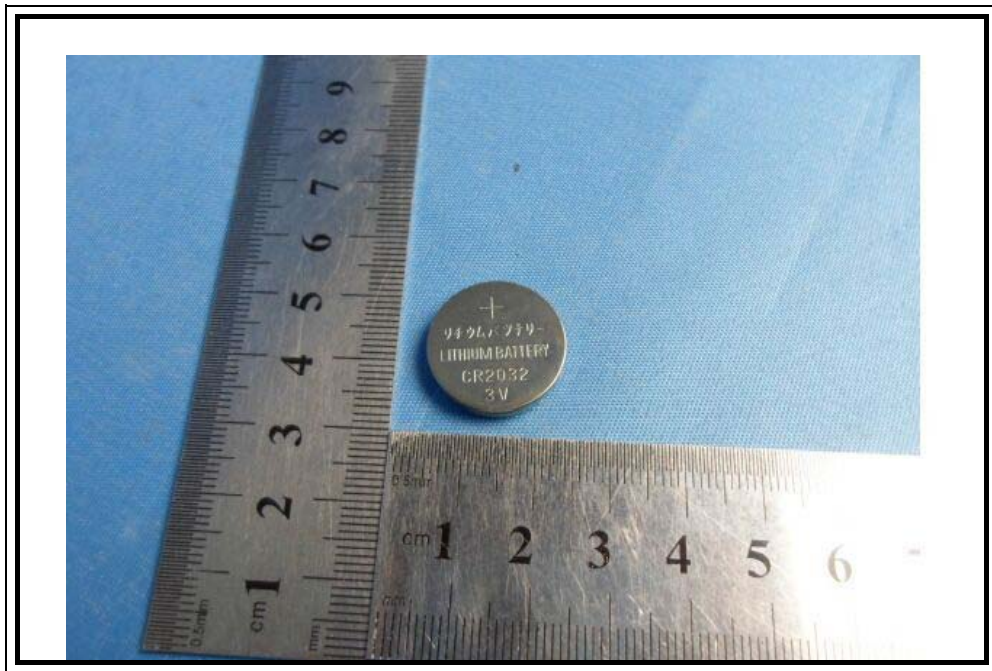


ATTACHMENTS

Battery Testing Flow Chart



Sample photo:



*** End of report ***