



Test Report

Report No.:PTC25022513701C-EN01

Issue Date:Mar. 13, 2025

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Applicant: Xinxiang Xinkeli Power Co., Ltd.

Address: No. 10, Gaoxin Road, Xinxiang, Henan, China

The following merchandise was (were) submitted and identified by client as:

Sample Name: Alkaline battery

Test Sample Model: LR6

Other Sample Model: LR03

Country of Origin: China

Manufacturer: Xinxiang Xinkeli Power Co., Ltd.

Address: No. 10, Gaoxin Road, Xinxiang, Henan, China

Sample Received Date: Mar. 05, 2025

Completed Date: Mar. 13, 2025

Test Requested and Conclusion(s): Please refer to next page(s).



Prepared by: Anne

Checked by:Crystal

* Approved by: Miya

Anne

Crystal

Miya

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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1)	Tested materials of submitted samples	Entry 20 of Annex XVII of the REACH Regulation (EC) No. 1907/2006 & amended (EC) No. 552/2009. - Organic tin compounds	PASS
2)	Tested materials of submitted samples	Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No 494/2011 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) - Total Lead (Pb)	PASS
3)	Tested materials of submitted samples	Entry 23 of the Annex XVII of REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 - Total Cadmium (Cd)	PASS
4)	Tested materials of submitted samples	Entry 45 of the Annex XVII of REACH Regulation (EC) No. 1907/2006 & amended (EC) No. 552/2009. - Diphenylether, octabromo derivative	PASS
5)	Tested materials of submitted samples	Entry 51 of the Annex XVII of REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 (Namely former Directive 2005/84/EC). - Phthalates	PASS
6)	Tested materials of submitted samples	Entry 68 of Annex XVII of the REACH Regulation (EC) No 1907/2006 & amendment (EC) No. 552/2009 - C9-C14 PFCAs and their salts	PASS

Test Result(s): Please refer to next page(s).

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Test Result(s):

1) Entry 20 of Annex XVII of the REACH Regulation (EC) No. 1907/2006 & amended (EC) No. 552/ 2009.

Organic tin compounds

Method: Refer to ISO/TS 16179:2012, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Compounds Name	MDL (%)	Limit (%)	Result (%)	Conclusion
			1	
Dibutyltin (DBT)	0.001	≤0.1	N.D.	PASS
Tributyltin (TriBT)	0.001	≤0.1	N.D.	PASS
Triphenyltin (TPhT)	0.001	≤0.1	N.D.	PASS
Diocetyltn (DOT)	0.001	≤0.1	N.D.	PASS

- Note:**
1. % = mass percent.
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.

2) Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No 494/2011 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Total Lead content

Method: with reference to CPSC-CH-E1002-08.3, was analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)	Conclusion
1	5	<500	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.

3) Entry 23 of the Annex XVII of REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009

Total Cadmium content

Method: with reference to IEC 62321-5:2013, was analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	MDL (mg/kg)	Limit(mg/kg)	Result (mg/kg)	Conclusion
1	5	≤100	N.D.	PASS

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- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.

Test Result(s):

4) Entry 45 of the Annex XVII of REACH Regulation (EC) No. 1907/2006 & amended (EC) No. 552/2009.

Diphenylether, octabromo derivative

Method: ISO 17881-2:2016, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Material No.	MDL (%)	Limit (%)	Result (%)	Conclusion
1	0.0005	≤0.1	N.D.	PASS

- Note:**
1. % = mass percent.
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.

5) Entry 51 of the Annex XVII of REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 (Namely former Directive 2005/84/EC).

Phthalates

Method: Refer to ISO 16181-1:2021, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	CAS No.	MDL (mg/kg)	Limit (mg/kg)	Results (mg/kg)
				1
DBP	84-74-2	50	/	N.D.
BBP	85-68-7	50	/	N.D.
DEHP	117-81-7	50	/	N.D.
DIBP	84-69-5	50	/	N.D.
DBP+BBP+DEHP+DIBP	/	/	≤1000	/
Conclusion				PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.
 4. The DBP, DEHP, BBP and DIBP shall not be used as substances or in mixtures, in concentrations greater than 1000mg/kg by weight of the plasticised material, in toys and childcare articles.

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Test Result(s):

6) Entry 68 of Annex XVII of the REACH Regulation (EC) No 1907/2006 & amendment (EC) No. 552/2009

C9-C14 PFCAs and their salts

Method: CEN/TS 15968:2010, analyzed by LC-MS/MS.

Substances	CAS No.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)
				1
PFNA	375-95-1	0.01	/	N.D.
PFDA	335-76-2	0.01	/	N.D.
PFUdA	2058-94-8	0.01	/	N.D.
PFDODA	307-55-1	0.01	/	N.D.
PFTTrDA	72629-94-8	0.01	/	N.D.
PFTeDA	376-06-7	0.01	/	N.D.
Sum of C9-C14 PFCAs and their salts	/	/	<0.025	N.D.
Conclusion				PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.

Test Material List

The following materials apply only to the samples submitted for chemical testing.

Material No.	Description	Location
1	Silver plastic with color printing	Casing, battery

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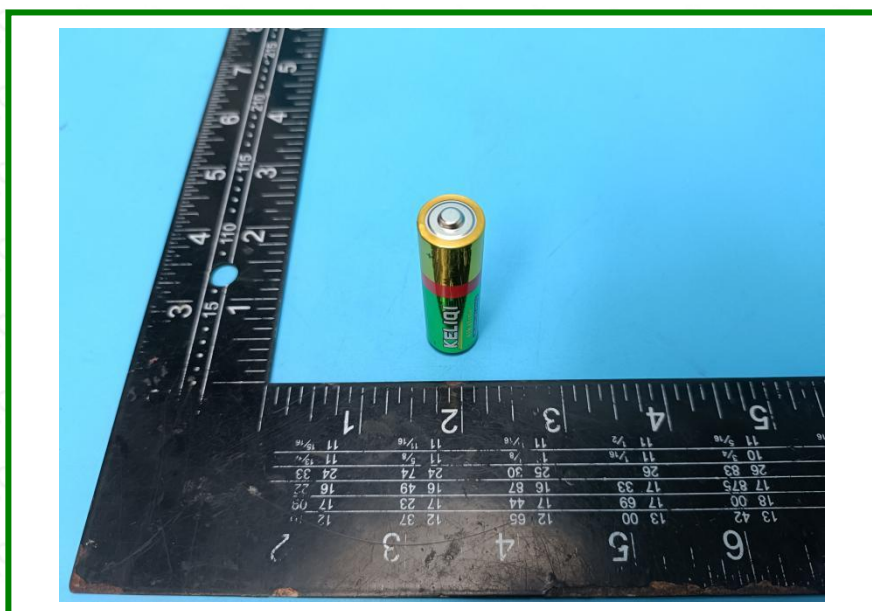
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Photo(s) of Test Sample:



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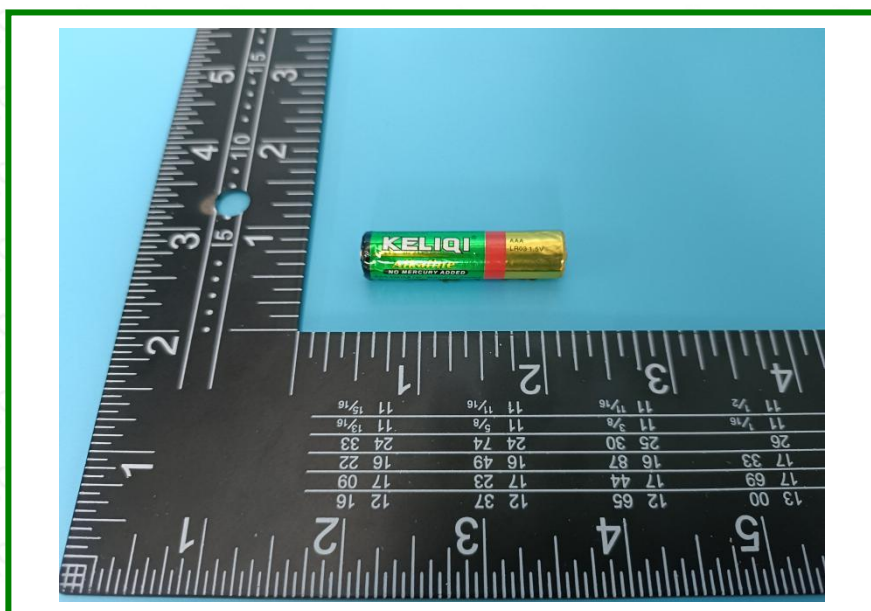
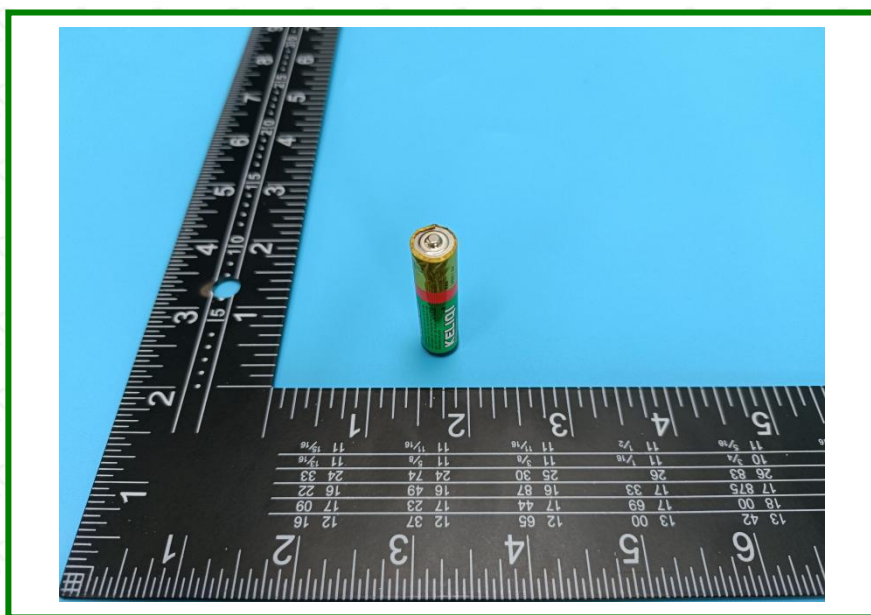
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Photo(s) of Other Sample:



End of Report

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