



**Test Report No. 64.168.24.60485.01G**  
**Rev.00**  
**Dated 2024-08-22**

Applicant: EVE Power Co.,Ltd.

Address: No.68, Jingnan Avenue High-Tech Zone, Duodao District, Jingmen City, Hubei Province, P.R.China.

Sample Description: Battery cell

Model No.: LF280K

Sample Receive Date: 2024-08-02

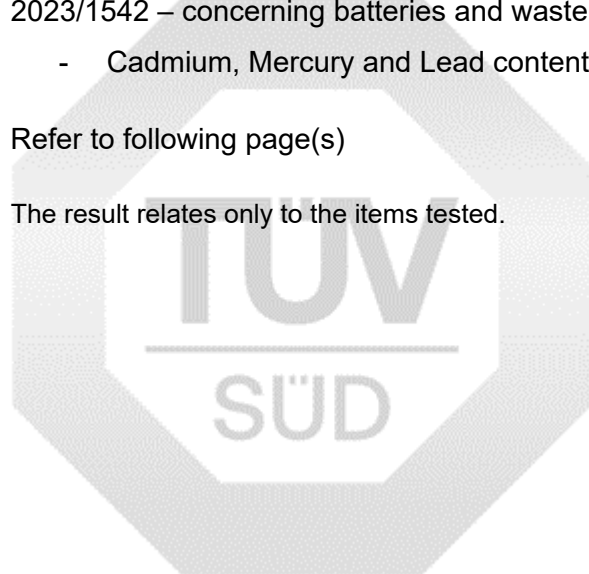
Test Period: From 2024-08-02 to 2024-08-20

Purpose of examination: As specified by client, to test below item as stated in Regulation (EU) 2023/1542 – concerning batteries and waste batteries

- Cadmium, Mercury and Lead content **PASS**

Test Result: Refer to following page(s)

Remark: The result relates only to the items tested.



TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch  
TÜV SÜD Group

Prepared by:

Judy Tan  
**Project Handler**



Reviewed by:

Kevin Zhang  
**Designated Reviewer**


Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

Disclaimer Measurement Uncertainty: Unless otherwise agreed upon, pass or fail verdicts are given based on the measured values without consideration of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as pass or fail.

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch  
TÜV SÜD Group  
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave.  
Guangzhou 510656, P.R. China

Tel.: (86) 20 38320668  
Fax: (86) 20 38320478

1. TESTED SUBJECT DESCRIPTION

Sample Number	Tested Material Description	Photo
001	Battery cell (5490g)	





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## 2. TEST RESULT

### 2.1. CADMIUM, MERCURY AND LEAD CONTENT TEST

Test Method: Acid digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

**Result of Total Cd, Hg, Pb content in whole battery:**

**For LMT battery, SLI battery, Electric vehicle battery and Industrial battery:**

Test Item	Result [%]	Maximum Permissible Limit [%]
	Sample 001	
Cadmium (Cd)	< 0.0002	--
Mercury (Hg)	< 0.0002	0.0005
Lead (Pb)	< 0.0004	--

Note:

- “%” denotes percentage by weight
- “<” denotes less than
- The specification was quoted from Regulation (EU) 2023/1542.
- If batteries containing more than 0.002 % cadmium or more than 0.004 % lead, shall be marked with the chemical symbol for the metal concerned: Cd or Pb.
- The relevant chemical symbol indicating the heavy metal content shall be printed beneath the separate collection symbol and shall cover an area of at least one-quarter the size of that symbol.

## 3. REMARK

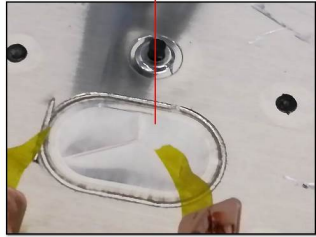
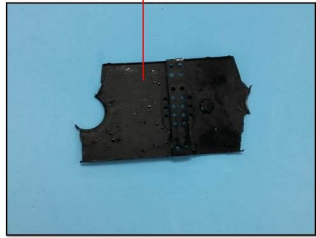
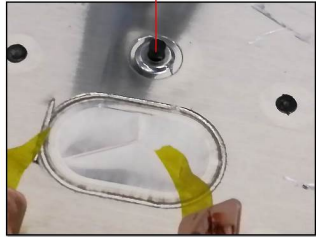
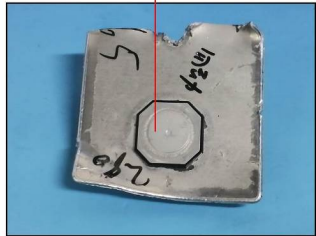
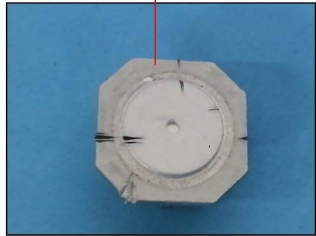
The chemical testing was performed in TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch Chemical lab and the test results were reviewed at TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch.

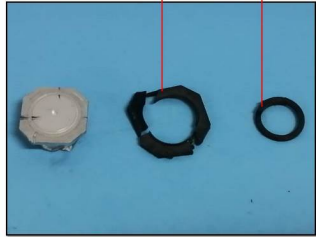


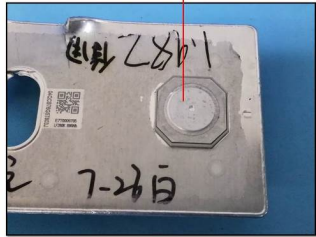
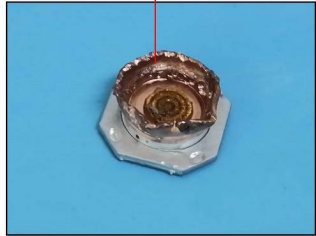
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**APPENDIX I:**

Tested material list of battery

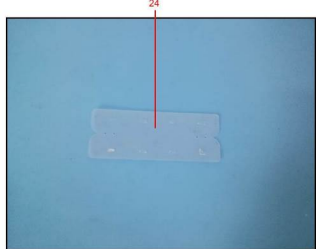
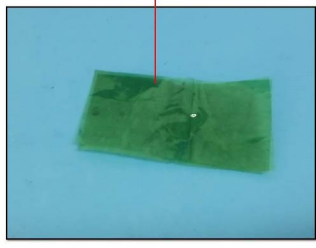
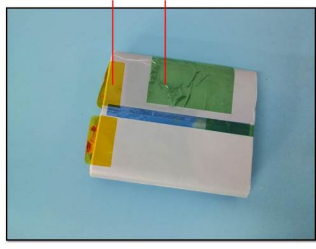
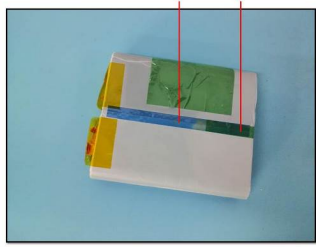

Test material	Tested Material Description	Photo
T1	Blue adhesive plastic sheet	
T2	Silvery metal shell (In No.1)	
T3	Black adhesive plastic sheet with white printing (On No.1)	
T4	Silvery metal cover (On No.2)	
T5	Silvery metal sheet (On No.4)	
T6	Blue translucent adhesive plastic sheet (On No.4)	

Test material	Tested Material Description	Photo
T7	Silvery metal sheet (On No.4)	
T8	Black plastic sheet (In No.1)	
T9	Black plastic part (On No.4)	
T10	Silvery metal part (On No.4)	
T11	Silvery metal ring (On No.10)	

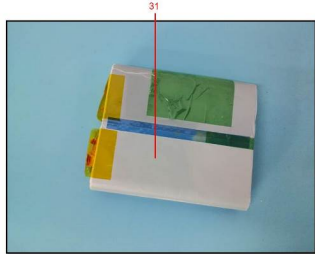
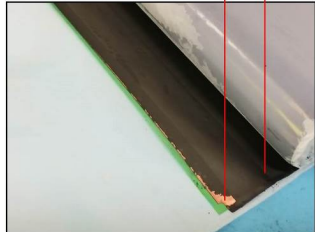

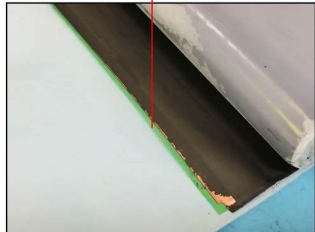
Test material	Tested Material Description	Photo
T12	Black plastic part (On No.10)	
T13	Black plastic ring (On No.10)	
T14	Silvery metal sheet (On No.10)	
T15	Beige translucent glue (On No.14)	
T16	Silvery metal part (On No.4)	
T17	Copper-colored metal part (On No.16)	

Test material	Tested Material Description	Photo
T18	Silvery metal ring (On No.16)	
T19	Lt-grey plastic part (On No.16)	
T20	Black rubber ring (On No.16)	
T21	Copper-colored metal sheet (On No.16)	
T22	Beige translucent glue (On No.21)	
T23	Translucent plastic shell (In No.1)	



Test material	Tested Material Description	Photo
T24	Translucent plastic sheet (On No.23)	
T25	Green translucent adhesive plastic sheet (On No.23)	
T26	Brown translucent adhesive plastic sheet (In No.1)	
T27	Green translucent adhesive plastic sheet (In No.1)	
T28	Transparent adhesive plastic sheet with blue & beige printing (In No.1)	
T29	Green Translucent adhesive plastic sheet (On No.28)	
T30	Beige Translucent liquid (In No.1)	



Test material	Tested Material Description	Photo
T31	White plastic sheet (In No.1)	
T32	Copper-colored metal aluminum foil (In No.31)	
T33	Black material (On No.32)	
T34	Silvery metal aluminum foil (In No.31)	
T35	Black material (On No.34)	
T36	Green translucent adhesive plastic sheet (On No.32)	



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**APPENDIX II:**

Detail information of battery provided by client

电芯 Battery Cell	
型号 Model	LF280K
标称电压 Nominal voltage	3.2V
尺寸 Size	总高 (含极柱) *宽*厚 LF280K: 207.2±0.5*173.7±0.5*71.7±0.8mm
容量 Rated capacity	280Ah
重量 Weight	5490 g±300g
制造商名称 Manufacturer name	EVE Power Co.,Ltd.
制造商地址 Manufacturer address	No.68, Jingnan Avenue, Jingmen Hi-tech Zone, 448000 Jingmen City, Hubei Province, PEOPLE'S REPUBLIC OF CHINA
生产工厂名称 Manufacturing plant name	EVE Power Co.,Ltd.
生产产地 Manufacturing plant address	No.68, Jingnan Avenue, Jingmen Hi-tech Zone, 448000 Jingmen City, Hubei Province, PEOPLE'S REPUBLIC OF CHINA

-----End of Report-----