



Test Report No. 64.168.24.60485.01H
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

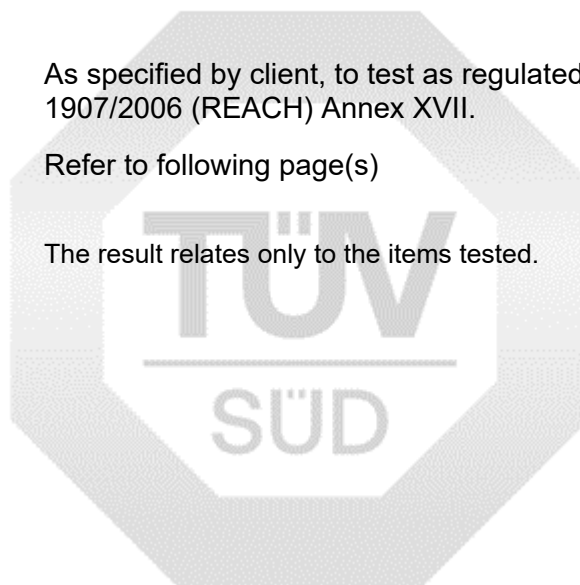
Sample Received Date: 2024-08-02

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

Purpose of examination: As specified by client, to test as regulated in Regulation (EC) 1907/2006 (REACH) Annex XVII.

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

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Reviewed by:

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Designated Reviewer

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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.

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SUMMARY OF TEST RESULTS

No.	Test Requested	Conclusion	Remarks
1.	Phthalates (DBP, DEHP, BBP, DIBP) Content	PASS	/
2.	Organotin Compounds (DBT, TBT, DOT, TPhT, TcyT, TOT, TPT and TMT) Content	PASS	/
3.	Octabromodiphenyl ether Content	PASS	/



1. TESTED SUBJECT DESCRIPTION

Sample Number	Tested Material Description	Photo
001	Black plastic part	
002	Blue plastic part	



2. TEST RESULT

2.1. PHTHALATES CONTENT TEST

Test method: With reference to US EPA 3550C:2007, extracted by chloroform and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Test Item	Result [%]	Permissible Limit [%]
	Sample 001+002	
Di-(2-ethyl-hexyl) Phthalate (DEHP)	<0.005	Sum of DEHP, DBP, BBP and DIBP < 0.1
Di-butyl Phthalate (DBP)	<0.005	
Butyl-benzyl Phthalate (BBP)	<0.005	
Di-iso-butyl Phthalate (DIBP)	<0.005	
Sum of DEHP, DBP, BBP and DIBP	<0.005	

Note:

- “%” denotes percent by weight
- “<” denotes less than
- The specification was quoted from regulation (EC) 1907/2006 (REACH) Annex XVII Entry 51.

2.2. ORGANOSTANNIC COMPOUNDS CONTENT TEST

Test method: With reference to ISO 17353:2004 and ISO/TS 16179-2012, extracted by acidified methanol, followed by derivatization and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.025 mg/kg]

Test Item	Result [mg/kg]
	Sample 001+002
Dibutyltin (DBT)	<0.025
Diocetyl tin (DOT)	<0.025
Tributyltin (TBT)	<0.025
Triphenyltin (TPhT)	<0.025
Tricyclohexyltin (TcyT)	<0.025
Triocetyl tin (TOT)	<0.025
Tripropyltin (TPT)	<0.025
Trimethyltin (TMT)	<0.025

Note:

- “mg/kg” denotes milligram per kilogram
- “<” denotes less than
- Limit according to regulation (EC) 1907/2006 (REACH) Annex XVII Entry 20: Concentration of Tri-substituted organostannic (Tributyltin (TBT), Triphenyltin (TPhT), Tricyclohexyltin (TcyT), Triocetyl tin (TOT), Tripropyltin (TPT), and Trimethyltin (TMT)), Dibutyltin (DBT), Diocetyl tin (DOT) and compounds shall not be greater than the equivalent of 0.1 % by weight of tin.



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2.3. OCTABROMODIPHENYL ETHERCONTENT TEST

Test method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 0.0005%]

Test Item	Result [%]	Maximum Permissible Limit [%]
	Sample 001+002	
Octabromodiphenyl ether	< 0.0005	0.1

Note:

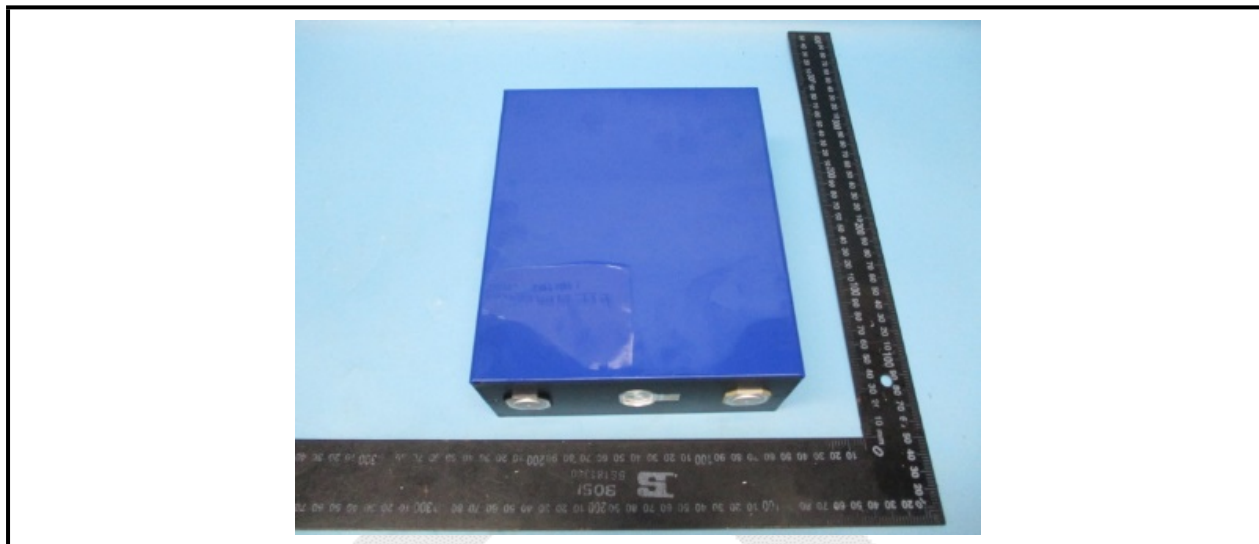
- “%” denotes percent by weight
- “<” denotes less than
- The specification was quoted from regulation (EC) 1907/2006 (REACH) Annex XVII Entry 45.

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.

APPENDIX:

Photos of submitted products



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

