

**Report No.:** 180278314f 001

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**Client:** SHAANXI TESSON NEW ENERGY CO.,LTD.

**Contact Information:** No.6, Chongye Road, High-tech Industrial Development Zone, Weinan City, Shaanxi Province.

**Identification/** TCR18650-2500mAh 3.6V

**Model No(s):**

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2023-12-19

**Testing Period:** 2023-12-19 to 2023-12-22

**Place of testing:** Chemical laboratory Ningbo

**Test Specification:**

**Test result:**

Customer's requirement:

1. Heavy Metal Test for batteries according to Annex I, 13(4) and 13(5) of Regulation (EU) 2023/1542

PASS

For and on behalf of  
TÜV Rheinland/CCIC (Ningbo) Co., Ltd.



2023-12-27

Chris W. W. Wang / Assistant Manager

*Date*

*Name/Position*

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.*

*This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

*"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.*

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**Material List:**

Item: TCR18650-2500mAh 3.6V

Material No.	Material	Color	Location
M006	Battery	light magenta	refer to photo

**1.Heavy Metal Test for Battery - according to Annex I, 13(4) and (13(5) of Regulation (EU) 2023/1542**

Test Method: Acid digestion, analyzed by ICP-OES/AAS

**Test result**

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory requirement		Test Result
					Maximum Permissible Limit	Labelling Limit	
T001	M006	Cadmium	%	0.001	Portable batteries: 0.002	0.002	< RL
		Lead	%	0.001	Portable batteries: 0.01#	0.004	< RL
		Mercury	%	0.0005	0.0005	n.a.	< RL

**Abbreviation:** Pb = Lead  
Cd = Cadmium  
Hg = Mercury  
n.a.= not applicable  
RL = Reporting Limit  
< = Less than

**Remark:**

- # According to Annex I of the Regulation (EU) 2023/1542, the Lead restriction shall apply to portable batteries and portable zinc-air button cells from 18 August 2024 and 18 August 2028 respectively.
- \* According to Article 13(4) and 13(5) of the Regulation (EU) 2023/1542, all batteries shall be marked with the symbol indicating 'separate collection'; and all batteries containing more than 0.002% cadmium or more than 0.004% lead shall be marked with the chemical symbol for the metal concerned.

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Sample Photo



M006

- END -

