



# TEST REPORT

**Report No.**..... : WTH24H06128463X2C  
**Applicant**..... : ZHENGZHOU XINGYUAN ELECTRONICS TECHNOLOGY CO.,LTD  
**Address**..... : ROOM 402,BUILDING 7,NO 316,LIANHUA STREET, ZHENGZHOU CITY,CHINA  
**Manufacturer**..... : ZHENGZHOU XINGYUAN ELECTRONICS TECHNOLOGY CO.,LTD  
**Manufacturer Address**..... : ROOM 402,BUILDING 7,NO 316,LIANHUA STREET, ZHENGZHOU CITY,CHINA  
**Factory**..... : ZHENGZHOU XINGYUAN ELECTRONICS TECHNOLOGY CO.,LTD  
**Factory Address**..... : ROOM 402,BUILDING 7,NO 316,LIANHUA STREET, ZHENGZHOU CITY,CHINA  
**Sample Name**..... : Lead acid battery  
**Model**..... : Refer to next page (s)  
**Series Model**..... : XY,DC,GEL,HR,FT,XL  
**Test Requested**..... : Refer to next page (s)  
**Test Conclusion**..... : Refer to next page (s)  
**Date of Receipt sample**..... : 2024-6-3  
**Testing period**..... : 2024-6-3 ~ 2024-6-7  
**Date of Issue**..... : 2024-6-21  
**Test Result**..... : Refer to next page (s)

**Prepared By:**

**Shenzhen Hongcai Testing Technology Co., Ltd.**

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Signed for and on behalf of  
Shenzhen Hongcai Testing Technology Co., Ltd.



Shenzhen Hongcai Testing Technology Co., Ltd.

<http://www.hct-test.com>

Test Requested	Test Conclusion
Determine the Lead(Pb), Cadmium(Cd), Mercury(Hg) content in the sample with reference to European Union Regulation (EU) 2023/1542.	See Remark

Remark: All batteries containing more than 0.004 % lead, shall be marked with the chemical symbol for the metal concerned: 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.

**Model:**

12V1.2Ah, 2V4Ah, 2V4.5Ah, 2V5Ah, 2V6Ah, 4V0.3Ah, 4V0.5Ah, 4V0.7Ah, 4V0.8Ah, 4V0.9Ah, 4V1Ah, 4V1.2Ah, 4V1.5Ah, 4V1.8Ah, 4V2Ah, 4V2.3Ah, 4V2.5Ah, 4V3Ah, 4V3.2Ah, 4V3.5Ah, 4V4Ah, 4V4.2Ah, 4V4.5Ah, 4V4.8Ah, 4V5Ah, 4V5.2Ah, 4V5.5Ah, 4V6Ah, 4V6.5Ah, 4V7Ah, 4V7.2Ah, 4V7.5Ah, 4V7.8Ah, 4V8Ah, 4V9Ah, 4V10Ah, 6V1Ah, 6V1.2Ah, 6V1.3Ah, 6V2Ah, 6V2.3Ah, 6V2.8Ah, 6V3Ah, 6V3.2Ah, 6V3.3Ah, 6V3.4Ah, 6V3.5Ah, 6V3.6Ah, 6V3.8Ah, 6V4Ah, 6V4.2Ah, 6V4.5Ah, 6V4.8Ah, 6V5Ah, 6V5.2Ah, 6V5.5Ah, 6V6Ah, 6V6.5Ah, 6V6.8Ah, 6V7Ah, 6V7.2Ah, 6V7.5Ah, 6V7.8Ah, 6V8Ah, 6V8.5Ah, 6V9Ah, 6V10Ah, 6V11Ah, 6V12Ah, 6V13Ah, 6V14Ah, 6V15Ah, 12V0.8Ah, 12V1.2Ah, 12V1.3Ah, 12V1.5Ah, 12V2Ah, 12V2.1Ah, 12V2.2Ah, 12V2.3Ah, 12V2.4Ah, 12V2.6Ah, 12V2.8Ah, 12V2.9Ah, 12V3Ah, 12V3.2Ah, 12V3.3Ah, 12V3.4Ah, 12V3.8Ah, 12V4Ah, 12V4.2Ah, 12V4.5Ah, 12V4.8Ah, 12V5Ah, 12V5.2Ah, 12V5.4Ah, 12V5.5Ah, 12V5.8Ah, 12V6Ah, 12V6.2Ah, 12V6.5Ah, 12V6.8Ah, 12V7Ah, 12V7.1Ah, 12V7.2Ah, 12V7.5Ah, 12V7.7Ah, 12V7.8Ah, 12V8Ah, 12V8.1Ah, 12V8.2Ah, 12V8.5Ah, 12V9Ah, 12V9.1Ah, 12V9.5Ah, 12V10Ah, 12V10.5Ah, 12V11Ah, 12V12Ah, 12V12.5Ah, 12V13Ah, 12V13.5Ah, 12V14Ah, 12V15Ah, 12V17Ah, 12V18Ah, 12V19Ah, 12V20Ah, 12V21Ah, 12V22Ah, 12V24Ah, 12V25Ah, 12V26Ah, 12V27Ah, 12V28Ah, 12V30Ah, 12V31Ah, 12V32Ah, 12V33Ah, 12V34Ah, 12V35Ah, 12V36Ah, 12V38Ah, 12V39Ah, 12V40Ah, 12V42Ah, 12V44Ah, 12V45Ah, 12V48Ah, 12V50Ah, 12V52Ah, 12V55Ah, 12V60Ah, 12V65Ah, 12V70Ah, 12V72Ah, 12V75Ah, 12V80Ah, 12V85Ah, 12V90Ah, 12V95Ah, 12V100Ah, 12V102Ah, 12V105Ah, 12V110Ah, 12V120Ah, 12V130Ah, 12V134Ah, 12V135Ah, 12V150Ah, 12V160Ah, 12V170Ah, 12V180Ah, 12V200Ah, 12V210Ah, 12V220Ah, 12V250Ah, 12V260Ah, 12V270Ah, 12V280Ah, 12V300Ah, 12V320Ah, 12V330Ah, 2V100Ah, 2V150Ah, 2V200Ah, 2V250Ah, 2V300Ah, 2V350Ah, 2V400Ah, 2V450Ah, 2V490Ah, 2V500Ah, 2V600Ah, 2V800Ah, 2V1000Ah, 2V1200Ah, 2V1500Ah, 2V2000Ah, 2V2500Ah, 2V3000Ah, FT12V50Ah, FT12V55Ah, FT12V65Ah, FT12V70Ah, FT12V75Ah, FT12V100Ah, FT12V105Ah, FT12V120Ah, FT12V150Ah, FT12V180Ah, FT12V200Ah, 6V100Ah, 6V150Ah, 6V180Ah, 6V200Ah, 6V210Ah, 6V220Ah, 6V225Ah, 6V260Ah, 6V300Ah, 6V315Ah, 6V360Ah, 6V380Ah, 6V400Ah, 6V420Ah, 8V135Ah, 8V150Ah, 8V160Ah, 8V170Ah, 8V180Ah, 6N4, 6N6, 12N2.5,



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YB3A, YTX4A, YTX5A, YTX6.5A, YTX7A, YTX7L, YTX9A, YTX12B, YTX14A, YTX20A, YTX20L, YTZ5S, YTZ5A, YTZ7S, YTZ10S, YTZ12S, 12N5L, 12N7L, 12N9L, 12N5, 12N7, 12N9, 12-88W, 11.38V5.8Ah, 24V1.2Ah, 24V1.3Ah, 24V3Ah, 24V3.6Ah, 24V4Ah, 24V5Ah, 24V7Ah, 24V12Ah, 24V24Ah, 36V12Ah, 12.8V5Ah, 12.8V6Ah, 12.8V7Ah, 12.8V9Ah, 12.8V10Ah, 12.8V12Ah, 12.8V18Ah, 12.8V20Ah, 12.8V24Ah, 12.8V33Ah, 12.8V35Ah, 12.8V40Ah, 12.8V50Ah, 12.8V60Ah, 12.8V65Ah, 12.8V70Ah, 12.8V75Ah, 12.8V80Ah, 12.8V90Ah, 12.8V100Ah, 12.8V120Ah, 12.8V150Ah, 12.8V200Ah, 12.8V250Ah, 25.6V25Ah, 25.6V50Ah, 25.6V100Ah, 48V50Ah, 48V100Ah, 48V200Ah

**Test Result(s):**

Test Method/Equipment: IEC 62321-5:2013 & IEC 62321-4:2013+AMD1:2017 and then analyzed by AAS, AFS

Test Item(s)	Unit	MDL	Result(s)	Limit
Lead(Pb)	mg/kg	2	> 100	—
Cadmium(Cd)	mg/kg	2	ND	20
Mercury(Hg)	mg/kg	0.02	ND	5

**Note:**

mg/kg (milligram per kilogram) = ppm (parts per million)

MDL=Method Detection Limit

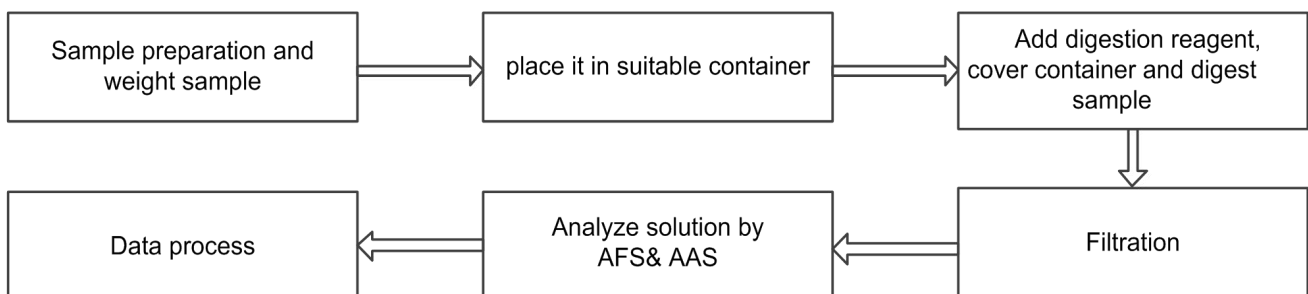
ND=Not Detected

This report replaces the report which report No. is WTH24H06128463X1C.

**Sample Description:**

No.	HCT Sample ID	Test Part Description	
1	WTH24H06128462C~63C.1	1	Black battery

**Test Flow Chart:**



Shenzhen Hongcai Testing Technology Co., Ltd.

<http://www.hct-test.com>

The photo of the sample



Statement:

1. This report is considered invalid without approved signature and special seal.
2. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified.
3. The result(s)(conclusion) shown in this report refer(s) only to the sample(s) tested.
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7. Decision rules used in this report:
  - (1)According to the Decision rules in the regulations/standards listed in the Test Requested;
  - (2)If there is no Decision rules specified in the regulations listed in the Test Requested, then according to CNAS-GL015 Guidelines on Decision Rules and Statements of Conformity, 6.2.1, Simple Acceptance (w=0) of The binary Decision rule:  
 PASS (Accepted) - The measured value is within the tolerance interval.  
 FAIL (Rejected) - The measured value is outside the tolerance interval.

===== End of Report =====

