

检测报告  
TEST REPORT

报告编号 (No.): UTS24060060M01 报告日期 (Report Date): 2024/06/13

委托单位/Client: 富钛金属科技(昆山)有限公司  
Rich Titanium Metal Technology (Kunshan) Co., Ltd  
地址/Address: 江苏省昆山市玉山镇晨丰东路 159 号  
159 Chenfeng East Road, Yushan Town, Kunshan City, Jiangsu  
Province

以下样品信息由申请人提供及确认:

The following sample(s) was/were submitted and identified on behalf of the client as:

样品名称/Sample Name: 右组合前灯昼间位置灯散热器/Right combination headlight daytime  
position light radiator  
样品信息/Sample Information: 4121962X991HA  
接样日期/Receiving Date: 2024/06/06  
检测项目/Test Item: 禁/限用物质(铅、镉、汞、六价铬)/Prohibited/restricted substances  
(Pb, Cd, Hg, Cr (VI))  
结论/Conclusion: 申请人所提供的样品的测试结果符合 Q/GD JG  
AL00-0023-2023-01《汽车禁/限用物质要求》。/Based on the  
analysis on the submitted sample, the results do comply with the  
requirements of Q/GD JG AL00-0023-2023-01 "Requirements for  
Prohibited/Restricted Substances in Vehicles".

签

Approved by



樊建红 授权签字人

审

Reviewed by

赵方方

编

Prepared by

黄佳蔚

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## 1、测试标准/Test Standard

Q/GD JG AL00-0023-2023-01 《汽车禁/限用物质要求》

## 2、测试日期/Test Date

2024/06/11-2024/06/12

## 3、测试设备/Test Equipment

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
等离子体发射光谱仪 ICP-OES	M-1-584	2025/12/14
紫外可见分光光度计 UV-vis	M-1-622	2024/12/14

## 4、测试结果/Test Result

检测项目 Test Items	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results (mg/kg)	限值* Limited Value (mg/kg)
铅/Pb	M1	2	288.39	1000
镉/Cd		2	3.29	100
汞/Hg	M2	2	N.D.	1000
六价铬/Cr (VI)	M3	---	阴性 Negative	---

注意/Remark : \*报告中提及的限值根据是 Q/GD JG AL00-0023-2023-01 《汽车禁/限用物质要求》的要求。  
/ The Limited value is based on the requirements of Q/GD JG AL00-0023-2023-01 "Requirements for Prohibited/Restricted Substances in Vehicles".

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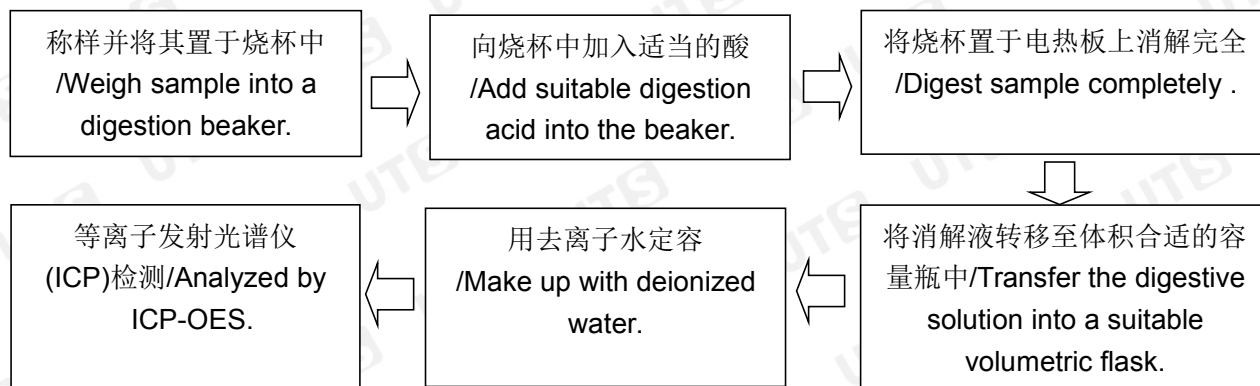
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- 备注/Note:
- 1) N.D. = 未检出, 小于方法检测限/Not detected, less than MDL.
  - 2) “---” = 未明确规定/Not Regulated.
  - 3) M1: 参考 QC/T 943-2013, 采用电感耦合等离子体发射光谱仪进行测定。  
With reference to QC/T 943-2013, analysis was performed by ICP-OES.
  - 4) M2: 参考 QC/T 941-2013, 采用电感耦合等离子体发射光谱仪进行测定。  
With reference to QC/T 941-2013, analysis was performed by ICP-OES.
  - 5) M3: 参考 QC/T 942-2021/With reference to QC/T 942-2021,  
点测试法: Negative=样品中未检测到六价铬, Positive=样品中检测到六价铬;  
(当点测试结果为 Negative 或无法确定时, 将采用沸水萃取法来检验结果)  
沸水萃取法: Negative=样品中未检测到六价铬; Positive=样品中检测到六价铬,  
50cm<sup>2</sup> 表面积的被测试样品在沸水萃取溶液中六价铬的浓度等于或大于 0.02ug/cm<sup>2</sup>。  
Spot test: Negative=Not detected Cr(VI) in plating; Positive=Detected Cr(VI) in plating.  
(If you are not sure about the result of the Spot test, use the boiling water extraction method to confirm the result)  
Boiling water extraction method:  
Negative= Not detected Cr(VI) in plating; Positive=The Cr(VI) concentration detected is equal to or greater than 0.02ug/cm<sup>2</sup> with a sample surface area of 50cm<sup>2</sup> used.

测试部位描述/TEST PART DESCRIPTION: 金属/Metal

### 检测流程图/FLOW CHART

#### 1. Pb、Cd 检测/Test for Pb, Cd Content



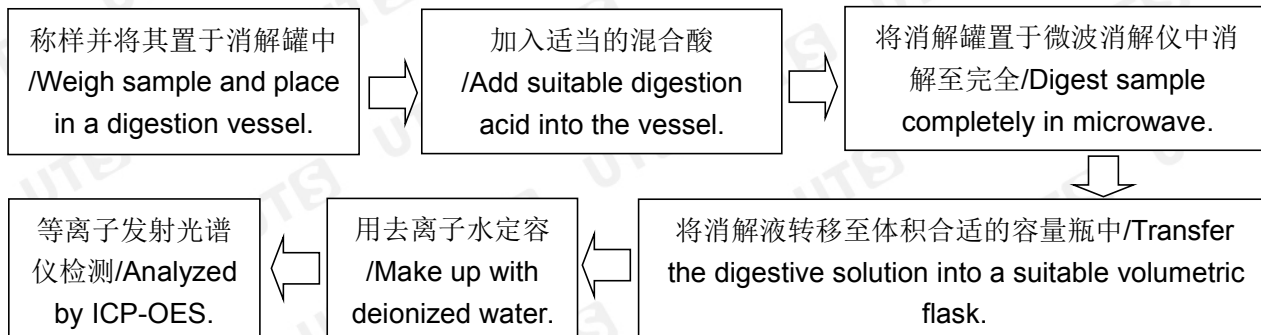
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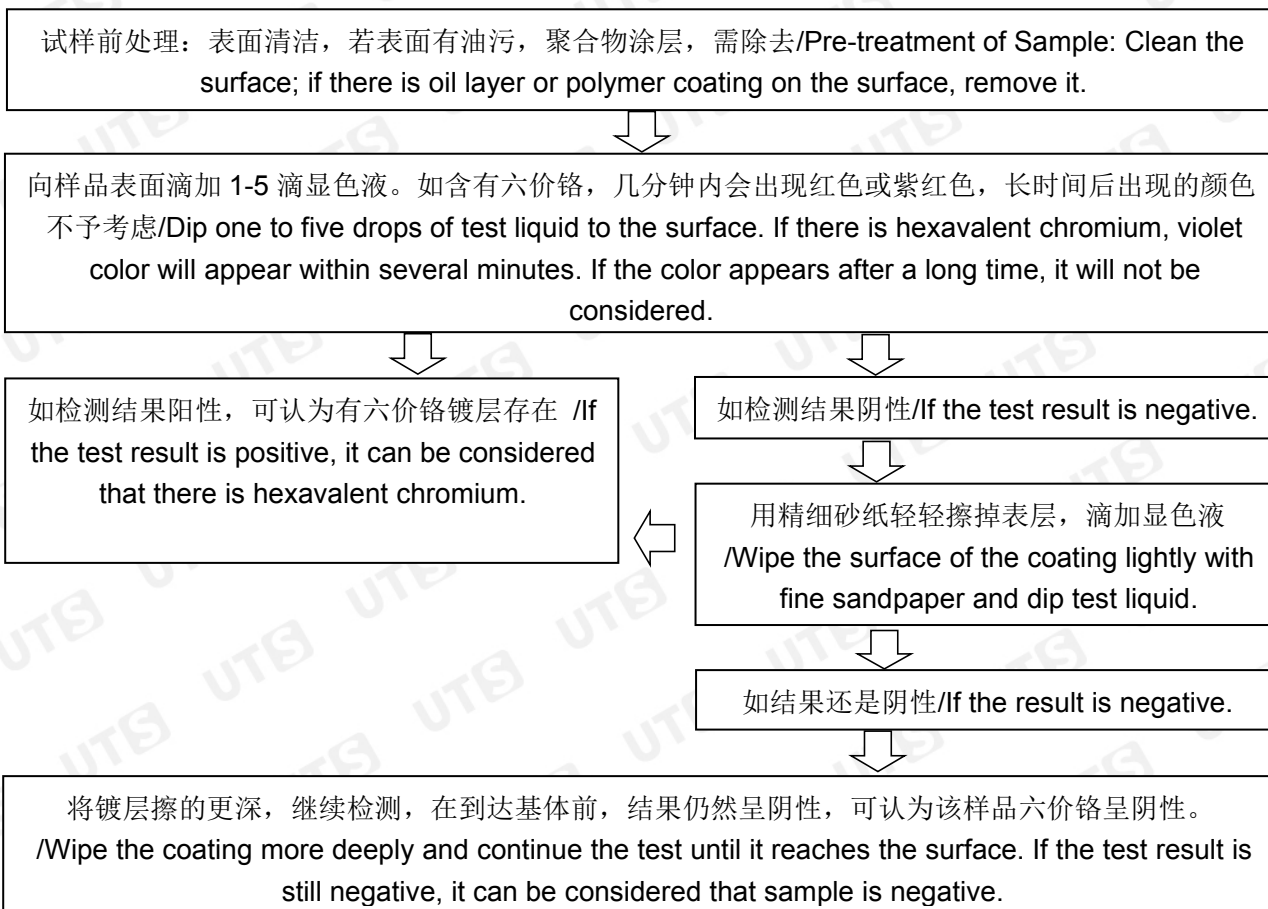
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### 2. Hg 检测/Test for Hg Content



### 3. 六价铬 Cr (VI) 检测/Test for Chromium (VI) Content

#### a) 点滴试验法/Point test method:



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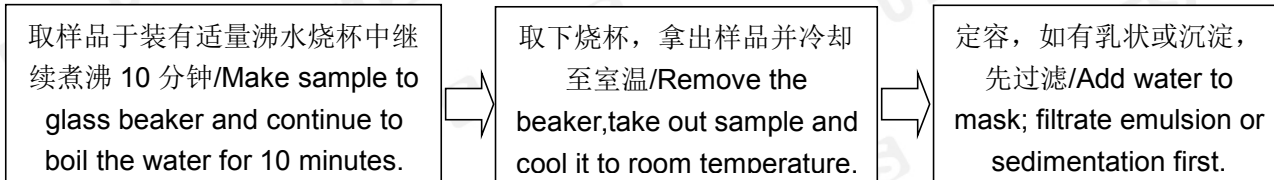


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b) 沸水萃取法/Boiling water extraction method:



取适当体积的混合液于另一烧杯中, 向烧杯中加入正磷酸和显色液, 定容, 用分光光度计进行比色测定。  
/Transfer an appropriate portion of mixture to another beaker, add phosphoric acid solution and indicator to the beaker and make up. Measure the absorbance at 540nm by UV-Vis.

### 5、样品照片/Sample photo(s)



.....报告结束/End of Report.....

本报告中结果仅作为科研、教学或内部质量控制之用。

Test results in this report are only used for scientific research, teaching and internal quality control.