

检 测 报 告
TEST REPORT

报告编号 (No.) : UTS24060060M02 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转向灯 LED 模组散热器/Right combination
headlight daytime position turn signal LED module radiator
样品信息/Sample Information : 4121934X990LA
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 SY0008-2020《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
SY0008-2020 "Requirements for Prohibited/Restricted
Substances in Vehicles".

签 发
Approved by
樊建红 授权签字人

审 核
Reviewed by
赵方方

编 制
Prepared by
黄佳蔚

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1、测试标准/Test Standard

Q/GD SY0008-2020 《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	N.D.	1000
镉/Cd		2	N.D.	100
汞/Hg	M2	2	N.D.	1000
六价铬/Cr (VI)	M3	---	阴性 Negative	---

注意/Remark : *报告中述及的限值根据是 Q/GD SY0008-2020《汽车禁/限用物质要求》的要求。/ The Limited value is based on the requirements of Q/GD SY0008-2020 "Requirements for Prohibited/Restricted Substances in Vehicles".

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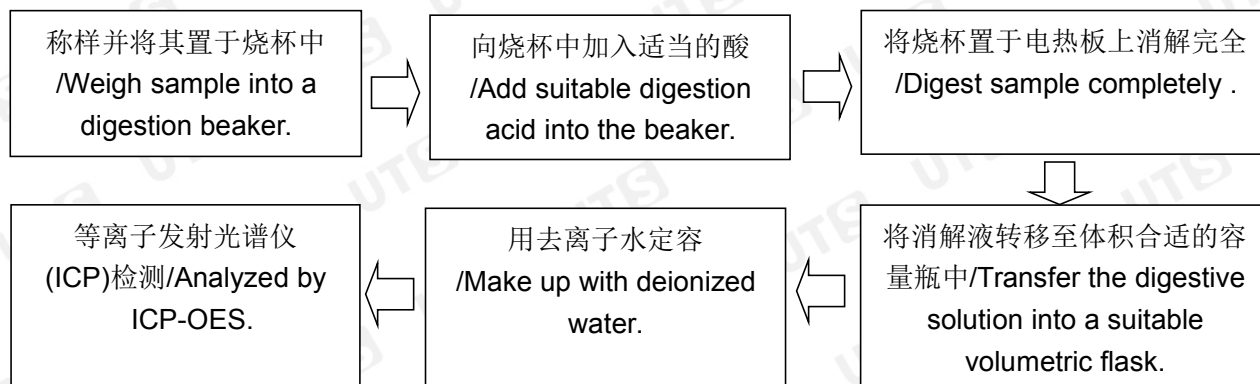
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- 备注/Note:
- 1) N.D. = 未检出, 小于方法检测限/Not detected, less than MDL.
 - 2) "----" = 未明确规定/Not Regulated.
 - 3) M1: 参考 QC/T 943-2013, 采用电感耦合等离子体发射光谱仪进行测定。
With reference to QC/T 943-2013, analysis was performed by ICP-OES.
 - 4) M2: 参考 QC/T 941-2013, 采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,
50cm² 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/cm²。
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/cm² with a sample surface area of 50cm² 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



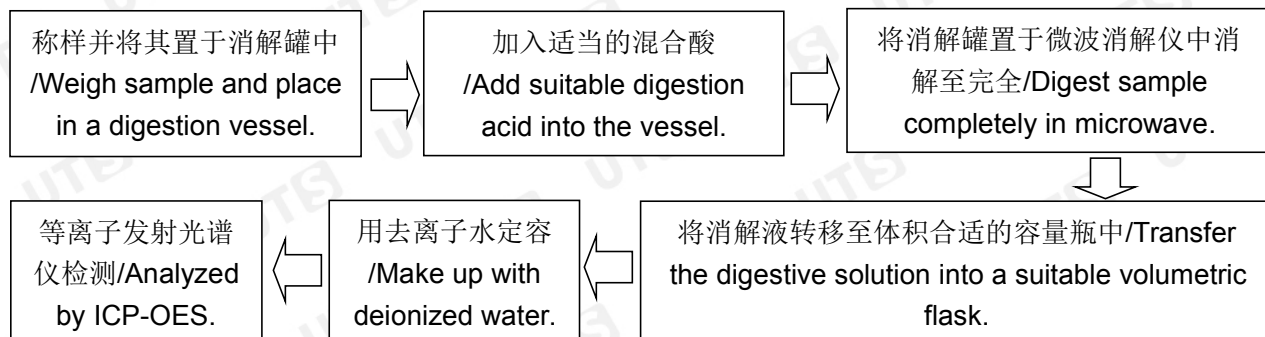
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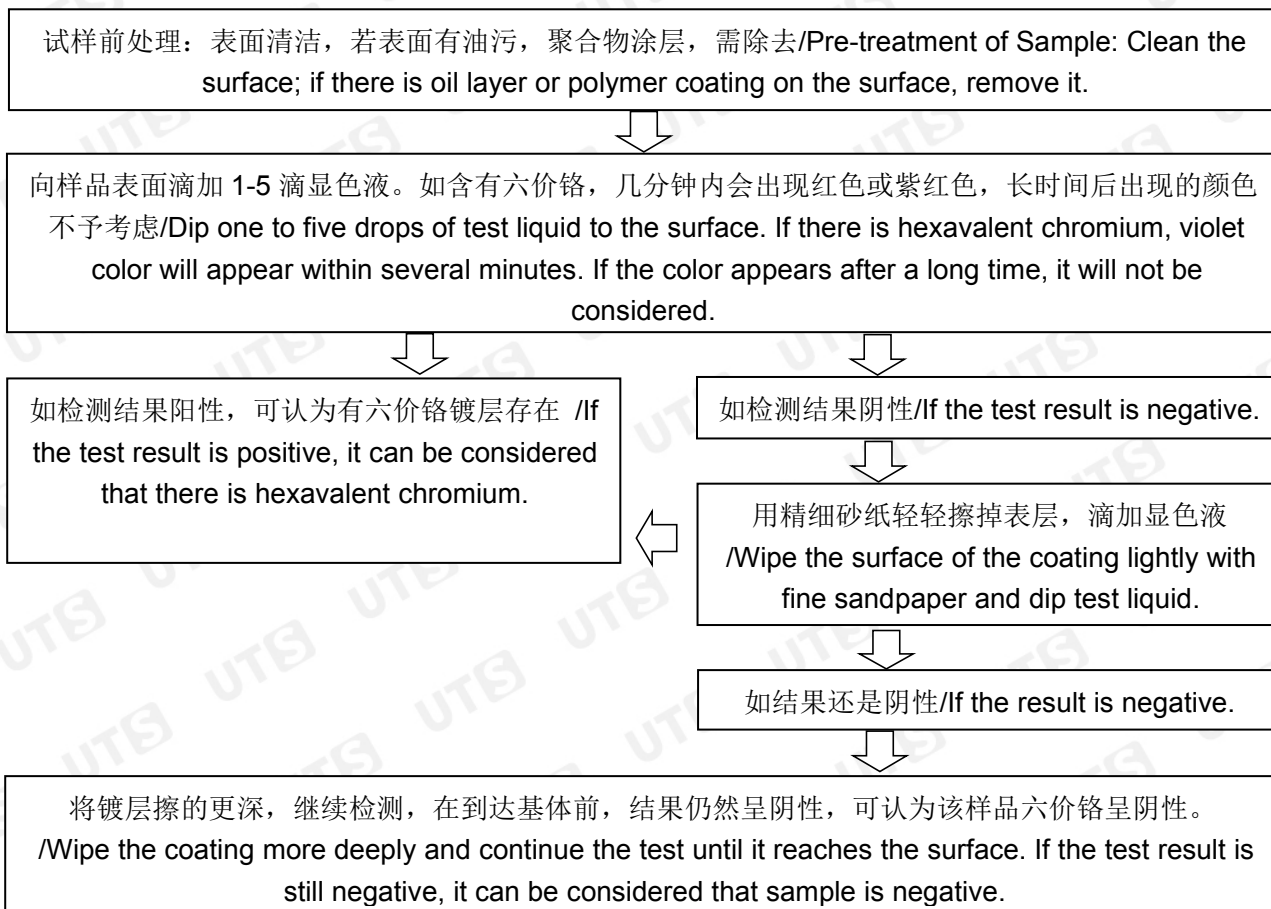
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2. Hg 检测/Test for Hg Content



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

取样品于装有适量沸水烧杯中继续煮沸 10 分钟/Make sample to glass beaker and continue to boil the water for 10 minutes.

取下烧杯, 拿出样品并冷却至室温/Remove the beaker, take out sample and cool it to room temperature.

定容, 如有乳状或沉淀, 先过滤/Add water to mask; filtrate emulsion or sedimentation first.

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.