

检 测 报 告
TEST REPORT

报告编号 (No.) : UTS24100367M04 报告日期 (Report Date) : 2024/11/06

委托单位/Client : 富钛金属科技 (昆山) 有限公司
Fulltech industry (Kunshan) Co., Ltd
地 址/Address : 昆山市玉山鎮晨豐東路 159 號
NO.159 Chen Feng East Road Yushan Town Kun Shan

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 : Tube (扭矩管) /Tube (torque tube)
样品信息/Sample Information : 6183723 01D/6562287 00A
接样日期/Receiving Date : 2024/10/31
检测项目/Test Item : ELV 6
结 论/Conclusion : 申请人所提供的样品的测试结果符合 GB/T 30512-2014《汽车禁用物质要求》。/Based on the analysis on the submitted sample, the results do comply with the GB/T 30512-2014 Requirements for prohibited substances on automobiles.

签

Approved by



樊建红 授权签字人

审

Reviewed by

核

赵方方

赵方方

编

Prepared by

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黄佳蔚

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1、测试标准/Test Standard(s)
QC/T 941-2013; QC/T 942-2021; QC/T 943-2013; QC/T 944-2013

2、测试日期/Test Date(s)
2024/11/04

3、测试设备/Test Equipment(s)

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
气相色谱质谱联用仪 GC-MS	M-1-583	2025/12/14

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4、测试结果/Test Result(s)

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	---
一溴联苯/Monobromobiphenyl (MonoBB)	M4	5	N.A.	---
二溴联苯/Dibromobiphenyl (DiBB)		5	N.A.	---
三溴联苯/Tribromobiphenyl (TriBB)		5	N.A.	---
四溴联苯/Tetrabromobiphenyl (TetraBB)		5	N.A.	---
五溴联苯/Pentabromobiphenyl (PentaBB)		5	N.A.	---
六溴联苯/Hexabromobiphenyl (HexaBB)		5	N.A.	---
七溴联苯/Heptabromobiphenyl (HeptaBB)		5	N.A.	---
八溴联苯/Octabromobiphenyl (OctaBB)		5	N.A.	---
九溴联苯/Nonabromobiphenyl (NonaBB)		5	N.A.	---
十溴联苯/Decabromobiphenyl (DecaBB)		5	N.A.	---
上述多溴联苯总和/Total PBBs sum of above		---	N.A.	1000
一溴二苯醚/Monobromodiphenyl ether (MonoBDE)		5	N.A.	---
二溴二苯醚/Dibromodiphenyl ether (DiBDE)		5	N.A.	---
三溴二苯醚/Tribromodiphenyl ether (TriBDE)		5	N.A.	---
四溴二苯醚/Tetrabromodiphenyl ether (TetraBDE)		5	N.A.	---
五溴二苯醚/Pentabromodiphenyl ether (PentaBDE)		5	N.A.	---
六溴二苯醚/Hexabromodiphenyl ether (HexaBDE)		5	N.A.	---
七溴二苯醚/Heptabromodiphenyl ether (HeptaBDE)		5	N.A.	---
八溴二苯醚/Octabromodiphenyl ether (OctaBDE)		5	N.A.	---
九溴二苯醚/Nonabromodiphenyl ether (NonaBDE)		5	N.A.	---
十溴二苯醚/Decabromodiphenyl ether (DecaBDE)		5	N.A.	---
上述多溴二苯醚总和/Total PBDEs sum of above		---	N.A.	1000

注意/Remark : *报告中述及的限值参考 GB/T 30512-2014《汽车禁用物质要求》。/ The Limited value is refer to GB/T 30512-2014 Requirements for prohibited substances on automobiles.

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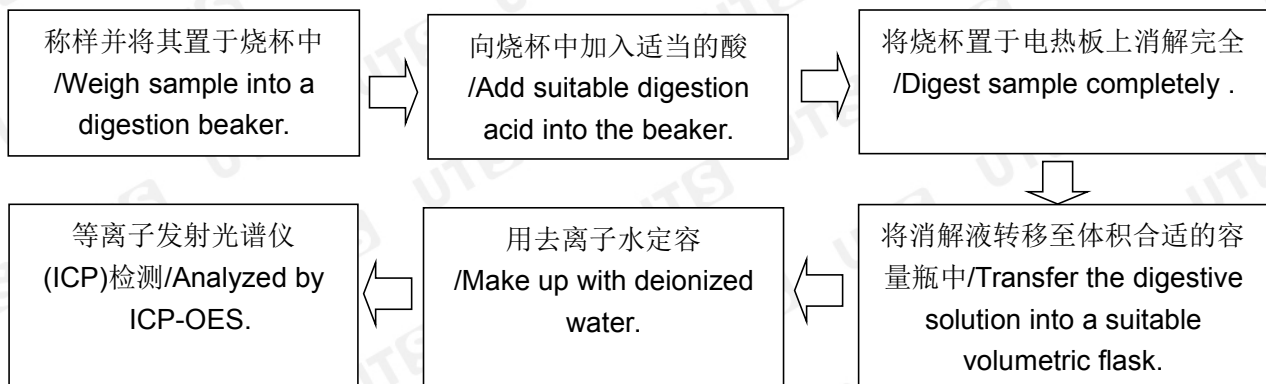
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- 备注/Note:
- 1) N.D. = 未检出, 小于方法检测限/Not detected, less than MDL.
 - 2) N.A. = 金属件不适用/Metal parts not applicable
 - 3) “---” = 未明确规定/Not Regulated.
 - 4) M1: 参考 QC/T 943-2013, 采用电感耦合等离子体发射光谱仪进行测定。
With reference to QC/T 943-2013, analysis was performed by ICP-OES.
 - 5) 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.
 - 6) 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.
 - 7) M4: 参考 QC/T 944-2013, 采用气相色谱质谱联用仪进行检测。
With reference to QC/T 944-2013, analysis was performed by GC-MS.

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



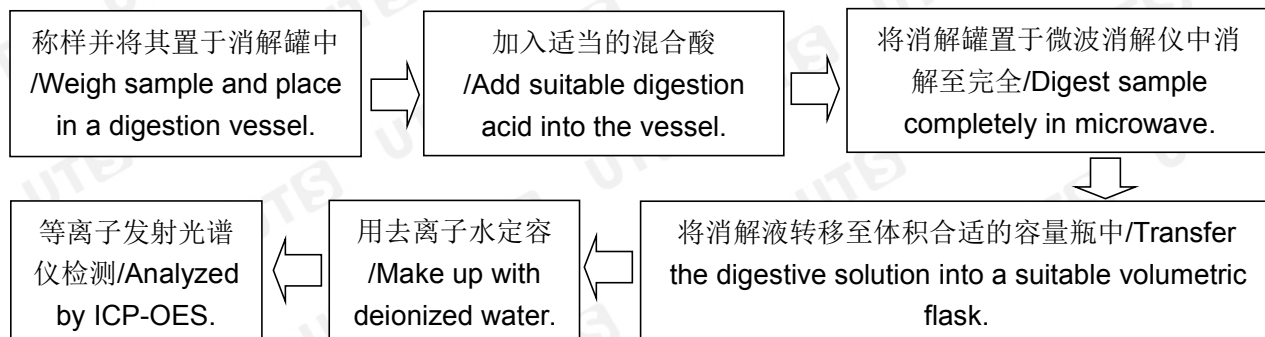
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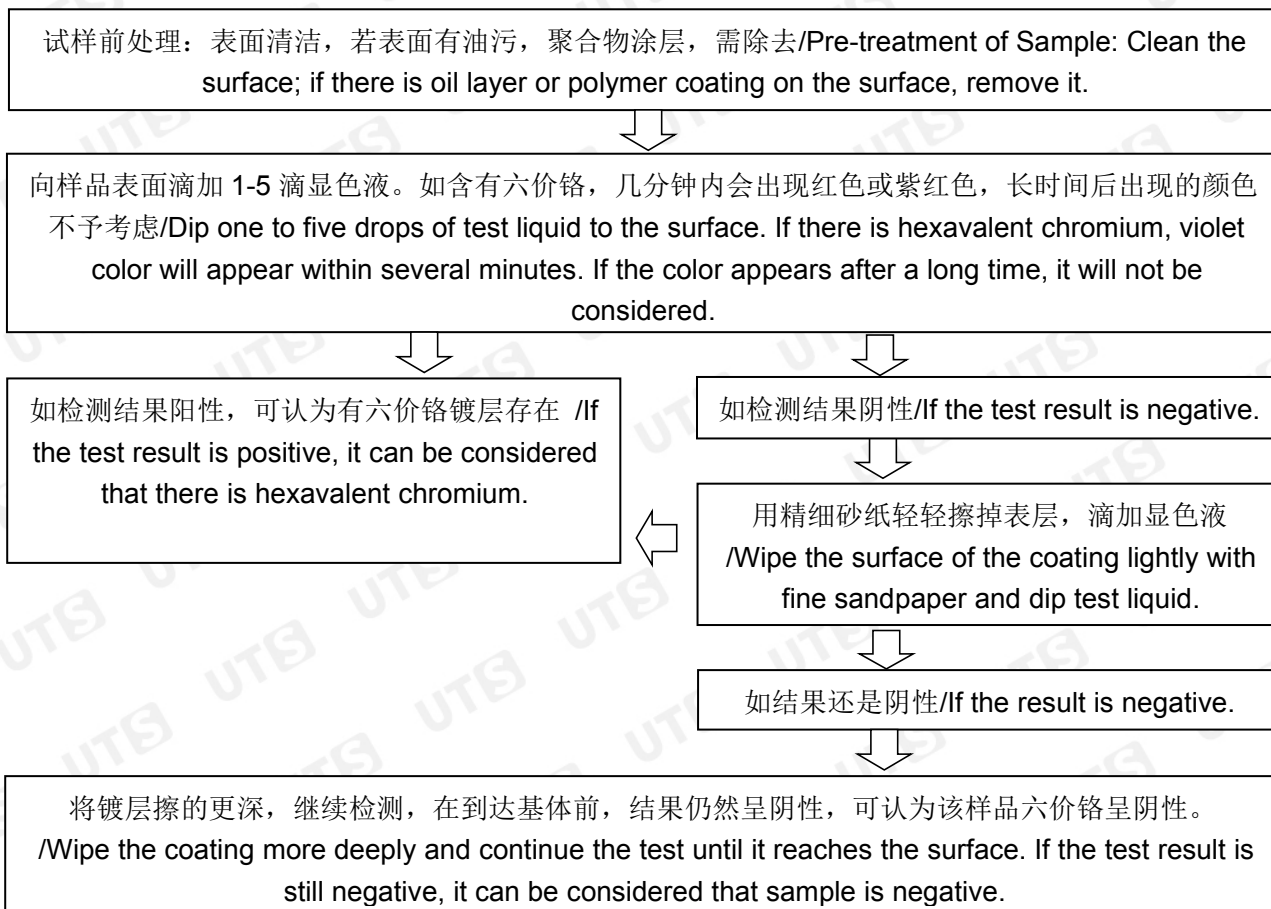
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2. Hg 检测/Test for Hg Content



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

a) 点滴试验法/Point test method:



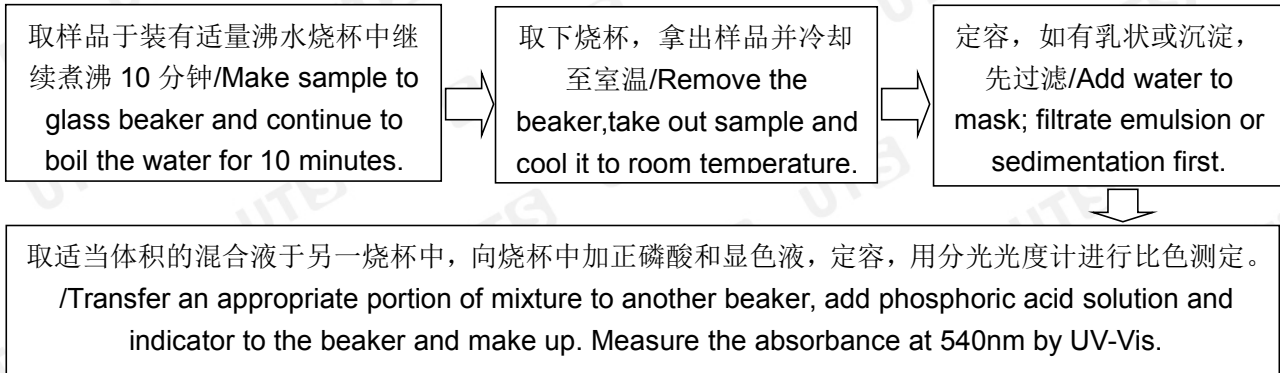
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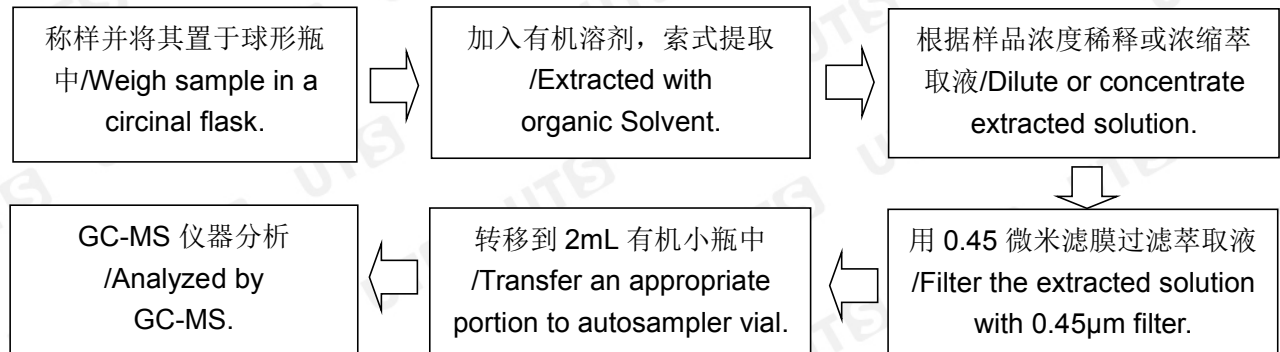
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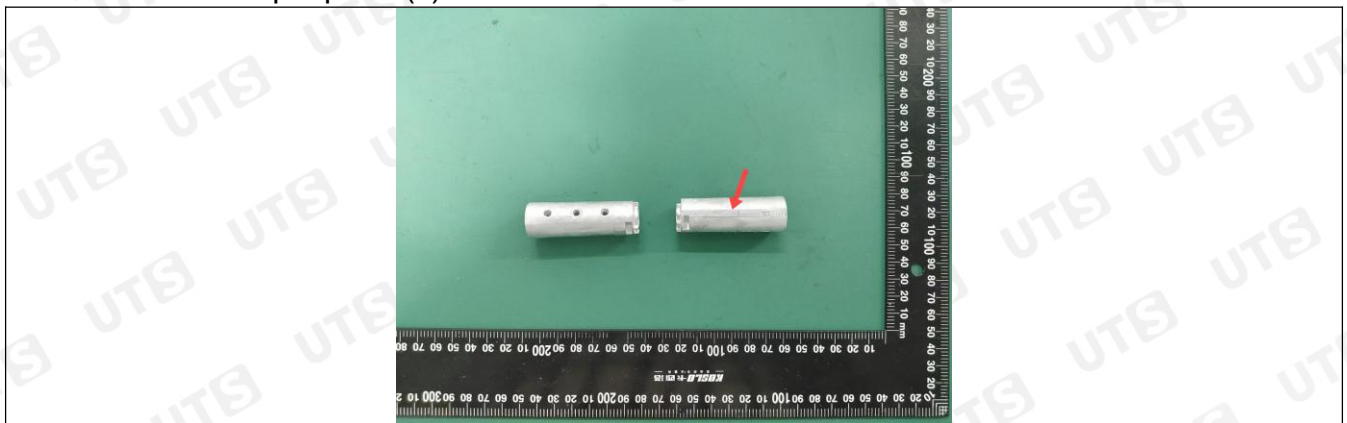
b) 沸水萃取法/Boiling water extraction method:



4. 多溴联苯&多溴二苯醚检测/Test for PBBs&PBDEs Content



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.