

TEST REPORT

Report No.:UTS25120146M34E

Report Date: 2025/12/22

Client : Jiangsu Jinhap automotive parts Co.,LTD

Address : No. 50, Laoshan south road, Yancheng economic development zone, Jiangsu province

The sample(s) information below is/are provided and confirmed by client:

Sample Name : PFZnNi8-C (Zinc nickel alloy)

Description : Coating

Receiving Date : 2025/12/09

Test Item : Pb、Cd、Hg、Cr (VI)、PBBs、PBDEs & HBCDD

Conclusion : Based on the analysis of the submitted sample, the results meet the customer requirements.

Approved by  樊建红
检验检测专用章
樊建红 授权签字人

Reviewed by 马林
马林

Prepared by 闵丹丹
闵丹丹

TEST REPORT

Report No.:UTS25120146M34E Report Date: 2025/12/22

1. Test Standard
QC/T 941-2013,QC/T 942-2021,QC/T 943-2013,QC/T 944-2013; EPA 3550C:2007 & EPA 8270E:2018

2. Test Date
2025/12/15-2025/12/16

3. Test Equipment

Test Equipment	Equipment Number	Calibration Period of Validity
ICP-OES	M-1-584	2027/12/10
UV-vis	M-1-622	2026/12/10
GC-MS	M-1-583	2027/12/11

.....To be continued.....

TEST REPORT

Report No.:UTS25120146M34E

Report Date: 2025/12/22

4. Test Result(s)

4.1 Pb、Cd、Hg、Cr (VI)、PBBs、PBDEs

Test Items	Methods	MDL (mg/kg)	Results (mg/kg)	Limits* (mg/kg)
Pb	M1	2	N.D.	1000
Cd		2	N.D.	100
Hg	M2	2	N.D.	1000
Cr (VI)	M3	---	Negative	---
Monobromobiphenyl (MonoBB)	M4	5	N.D.	---
Dibromobiphenyl (DiBB)		5	N.D.	---
Tribromobiphenyl (TriBB)		5	N.D.	---
Tetrabromobiphenyl (TetraBB)		5	N.D.	---
Pentabromobiphenyl (PentaBB)		5	N.D.	---
Hexabromobiphenyl (HexaBB)		5	N.D.	---
Heptabromobiphenyl (HeptaBB)		5	N.D.	---
Octabromobiphenyl (OctaBB)		5	N.D.	---
Nonabromobiphenyl (NonaBB)		5	N.D.	---
Decabromobiphenyl (DecaBB)		5	N.D.	---
Total PBBs / sum of above		---	N.D.	1000
Monobromodiphenyl ether (MonoBDE)		5	N.D.	---
Dibromodiphenyl ether (DiBDE)		5	N.D.	---
Tribromodiphenyl ether (TriBDE)		5	N.D.	---
Tetrabromodiphenyl ether (TetraBDE)		5	N.D.	---
Pentabromodiphenyl ether (PentaBDE)		5	N.D.	---
Hexabromodiphenyl ether (HexaBDE)		5	N.D.	---
Heptabromodiphenyl ether (HeptaBDE)		5	N.D.	---
Octabromodiphenyl ether (OctaBDE)		5	N.D.	---
Nonabromodiphenyl ether (NonaBDE)		5	N.D.	---
Decabromodiphenyl ether (DecaBDE)		5	N.D.	---
Total PBDEs / sum of above		---	N.D.	1000

Remark: *The Limits are based on the customer requirements.

.....To be continued.....

TEST REPORT

Report No.:UTS25120146M34E

Report Date: 2025/12/22

4.2 HBCDD

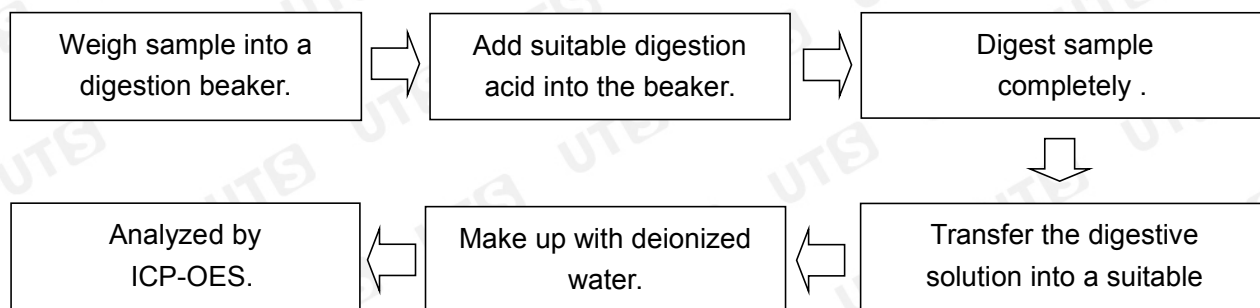
Test Items	Methods	MDL (mg/kg)	Results (mg/kg)
HBCDD	M5	20	N.D.

- Note :
- 1) N.D. = Not detected, less than MDL.
 - 2) “---” = Not Regulated.
 - 3) M1: With reference to QC/T 943-2013, analysis was performed by ICP-OES.
 - 4) M2: With reference to QC/T 941-2013, analysis was performed by ICP-OES.
 - 5) M3: With reference to QC/T 942-2021,
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 0.1µg/cm² with a sample surface area of 50cm² used.
 - 6) M4: With reference to QC/T 944-2013, analysis was performed by GC-MS.
 - 7) M5: With reference to EPA 3550C:2007 & EPA 8270E:2018, analysis was performed by GC-MS.

TEST PART DESCRIPTION: Coating(Metal)

FLOW CHART

1. Test for Pb, Cd Content



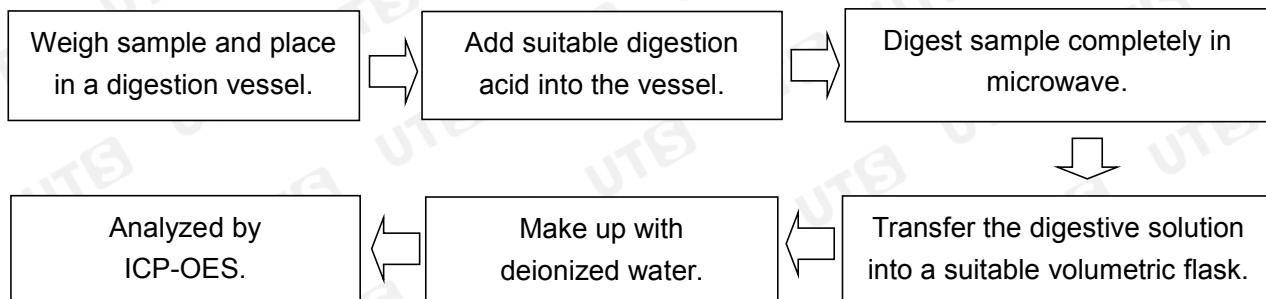
.....To be continued.....

TEST REPORT

Report No.:UTS25120146M34E

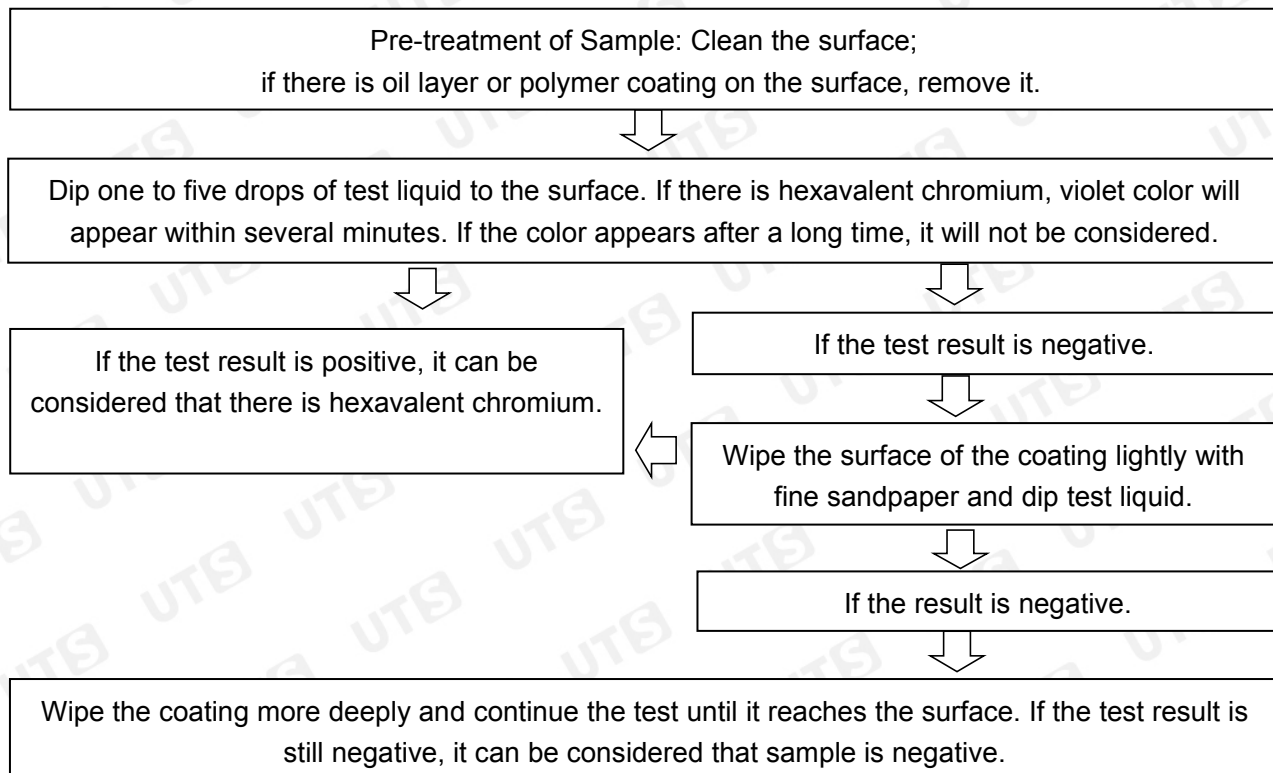
Report Date: 2025/12/22

2. Test for Hg Content



3. Test for Chromium (VI) Content

a) Point test method:



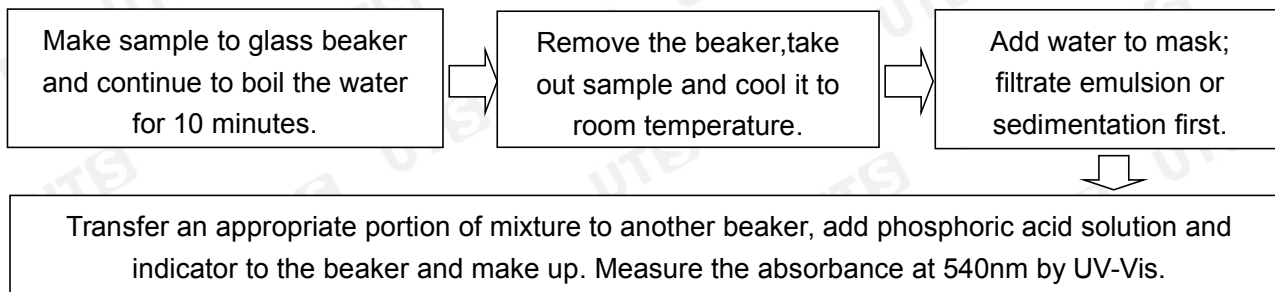
.....To be continued.....

TEST REPORT

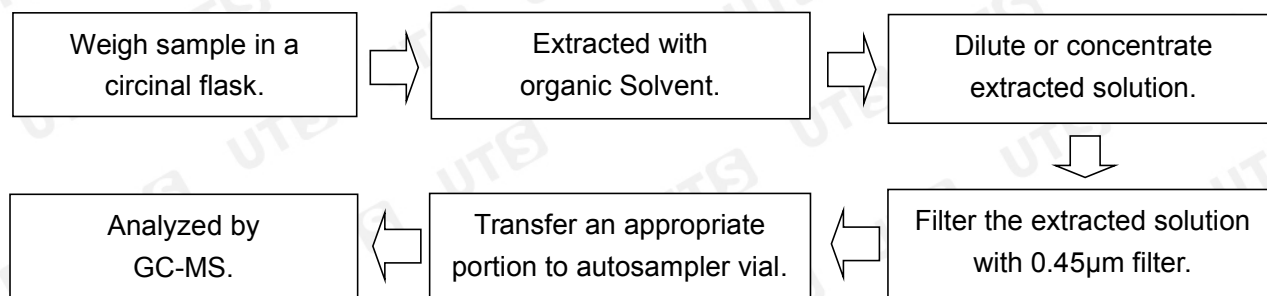
Report No.:UTS25120146M34E

Report Date: 2025/12/22

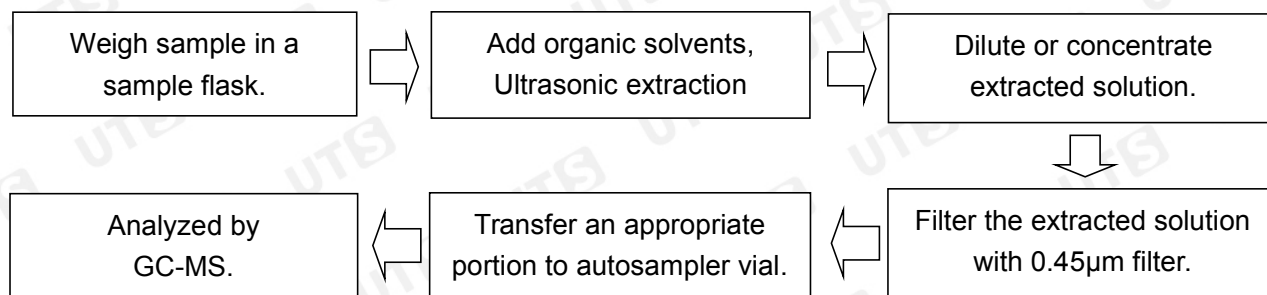
b) Boiling water extraction method:



4. Test for PBBs&PBDEs Content



5. Test for HBCDD Content



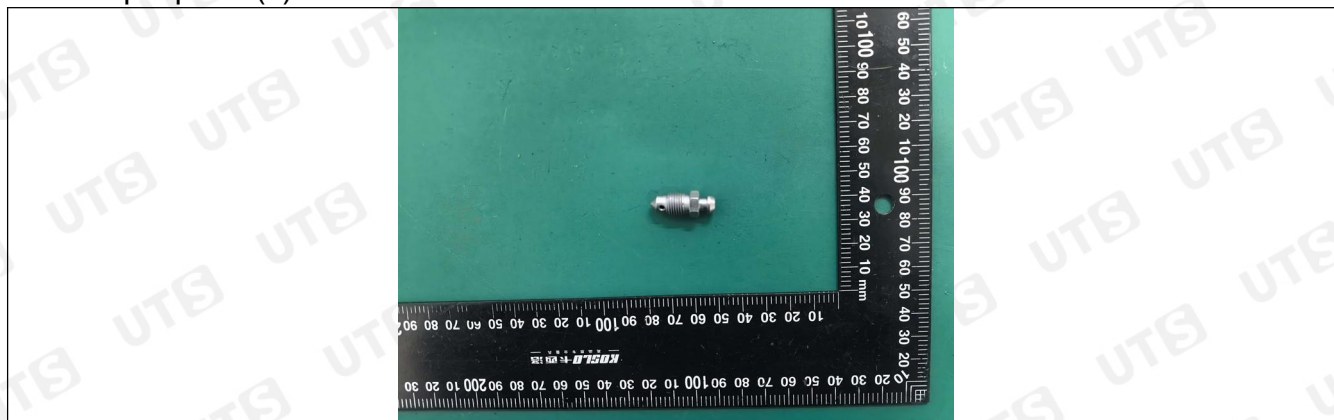
.....To be continued.....

TEST REPORT

Report No.:UTS25120146M34E

Report Date: 2025/12/22

5. Sample photo(s)



.....End of Report.....

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