TEST REPORT

Report No.:UTS25120146M12E 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	:	C-806 (Anti-rust oil)
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 Reviewed by 马林 Prepared by 闵丹丹

樊建红 授权签字人 马林 闵丹丹

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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

2025/12/15-2025/12/17

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……

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4. Test Result(s)

4.1 Pb、Cd、Hg、Cr (VI)、PBBs、PBDEs

Test Items	Methods	MDL (mg/kg)	Results (mg/kg)	Limited Value* (mg/kg)
Pb	M1	2	N.D.	1000
Cd		2	N.D.	100
Hg	M2	2	N.D.	1000
Cr (VI)	M3	8	N.D.	1000
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 Limited value is based on the customer requirements .

……To be continued……

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4.2 HBCDD

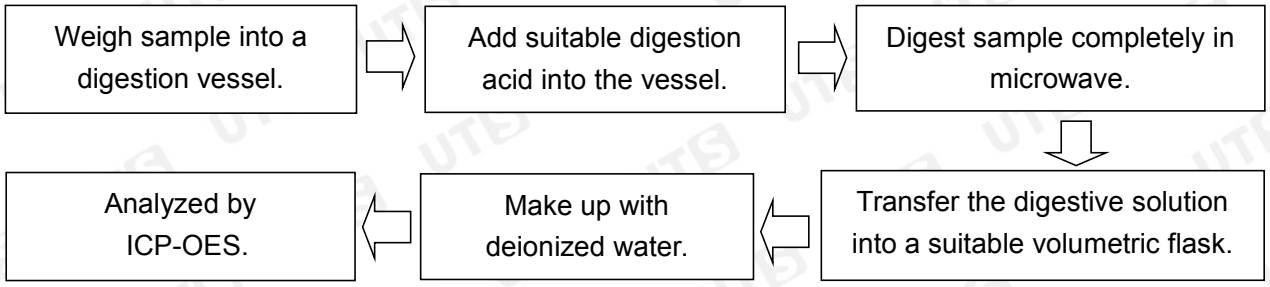
Test Items	Methods	MDL (mg/kg)	Results (mg/kg)
HBCDD	M5	20	N.D.

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, analysis was performed by UV-Vis.
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.

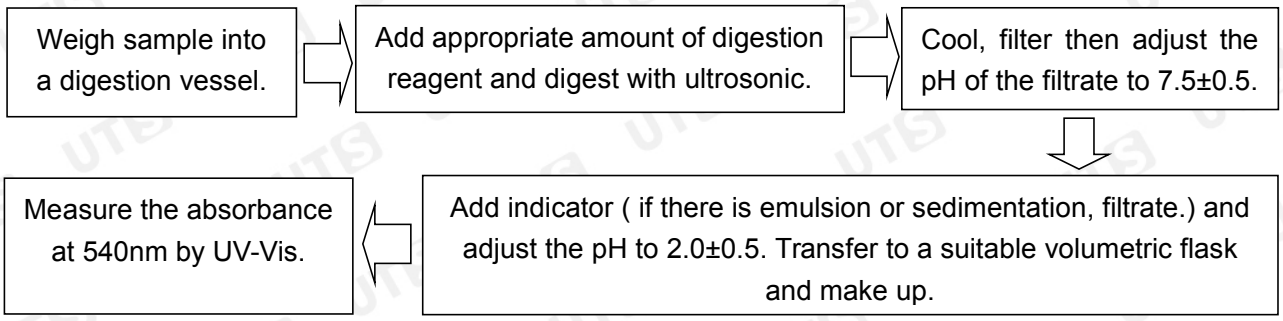
TEST PART DESCRIPTION: Non-metal

FLOW CHART

1. Test for Pb, Cd, Hg Content



2. Test for Chromium（Ⅵ）Content



……To be continued……

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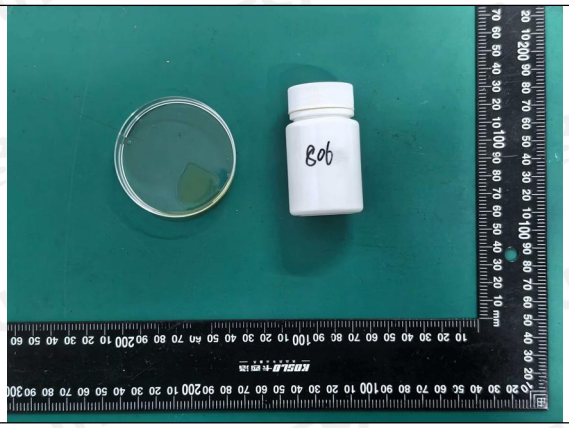
3. Test for PBBs&PBDEs Content

Weigh sample in a circinal flask. → Extracted with organic Solvent. → Dilute or concentrate extracted solution. → Filter the extracted solution with 0.45μm filter. → Transfer an appropriate portion to autosampler vial. → Analyzed by GC-MS.

4. Test for HBCDD Content

Weigh sample in a sample flask. → Add organic solvents, Ultrasonic extraction → Dilute or concentrate extracted solution. → Filter the extracted solution with 0.45μm filter. → Transfer an appropriate portion to autosampler vial. → Analyzed by GC-MS.

5. Sample photo(s)



……End of Report……

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

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