

RoHS Consolidated Test Report

SAMPLE INFORMATION:

Sample Description : UV Curable Resin

Trademark : N/A

Model Number : HD Dark Grey,
Black, White, Blue Gray, Light Gray, Dark Gray, Nude, Mia Pink,
Mia White, Mdd Semi-white, Transparent Crystal, Transparent,
HD Light gray, HD Vanilla, Red Wax, Clear, Clear Blue,
Clear Green, Clear Red, HD Red Clay

Manufacturer : Zhongshan Huayu Yuanxing Electronic Technology Co., Ltd

Manufacturer Address : Room 811, 8th Floor, Building A3 and 8th Floor, Building A4,
Intelligent Complex, No. 46 Keji West Road, Torch Development
Zone, Zhongshan City, Guangdong Province

CLIENT INFORMATION:

Applicant : Zhongshan Huayu Yuanxing Electronic Technology Co., Ltd

Applicant Address : Room 811, 8th Floor, Building A3 and 8th Floor, Building A4,
Intelligent Complex, No. 46 Keji West Road, Torch Development
Zone, Zhongshan City, Guangdong Province

Test Standard : IEC 62321-1:2013, IEC 62321-4:2013+A1:2017, IEC 62321-5:2013,
IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017,
IEC 62321-8:2017

Comment : Selected test (s) in the selected parts as requested by client
with the RoHS Directive 2011/65/EU Annex II (EU) 2015/863 as
last amended by Directive (EU) 2017/2102.

Test Date : Feb.26, 2025 ~ Mar.03, 2025

Issue Date : Mar.03, 2025

REMARKS:

1. This report shall not be altered, added or deleted without our written approval.
2. Characterization & Condition of sample: Normal.
3. The test results in the report only apply to the tested sample.
4. Only product names differ between models.

Approved by: _____

Date: Mar.03, 2025

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Test Content:

Test Item(s)	Test Method	Reference	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013	ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	mg/kg	1000	2
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015	UV-Vis	µg/cm ²	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017	UV-Vis	mg/kg	1000	8
PBBs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
PBDEs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30

PBBs		PBDEs	
Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

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Sample Description:

No.	Description	Photo(s) of Tested materials
1	Resin	
2	Black plastic	
3	Deep green label	



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Test Results:

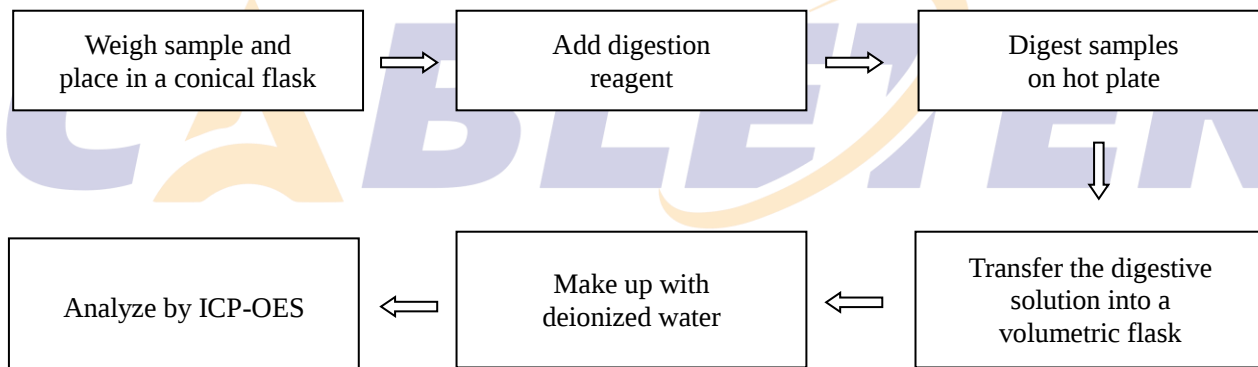
Test Item(s)	No.1	No.2	No.3		
Cadmium (Cd)	N.D.	N.D.	N.D.		
Lead (Pb)	N.D.	N.D.	N.D.		
Mercury (Hg)	N.D.	N.D.	N.D.		
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.		
PBBs	N.D.	N.D.	N.D.		
PBDEs	N.D.	N.D.	N.D.		
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.		
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.		
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	N.D.		
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.		



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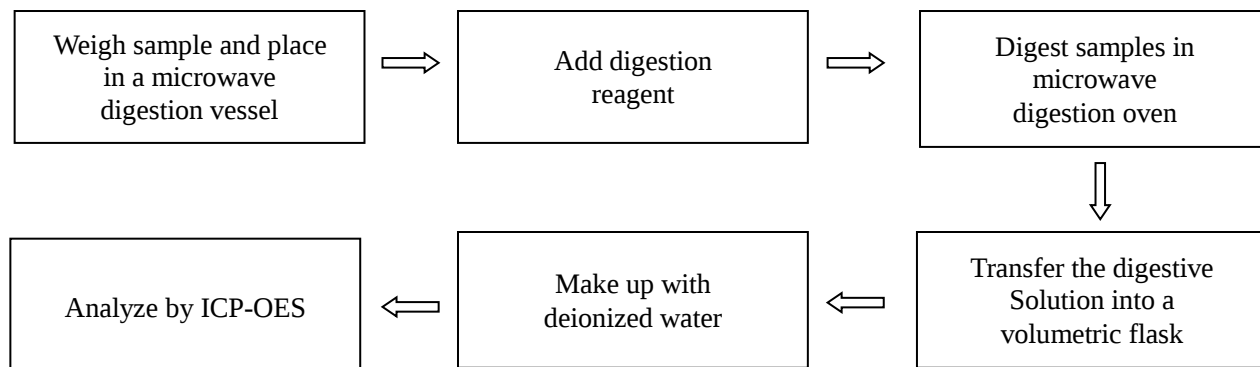
Note:

1. mg/kg= ppm
2. N.D.= Not Detected(<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing
5. when Cr(VI) in a sample is detected below the $0.10 \mu\text{g}/\text{cm}^2$ LOQ (limit of quantification), the sample is considered to be negative for Cr(VI). Since Cr(VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between $0.10 \mu\text{g}/\text{cm}^2$ and $0.13 \mu\text{g}/\text{cm}^2$ has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr(VI). When Cr(VI) is detected above $0.13 \mu\text{g}/\text{cm}^2$, the sample is considered to be positive for the presence of Cr(VI) in the coating layer. unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Test Process:**1. Test for Cd/Pb Content**

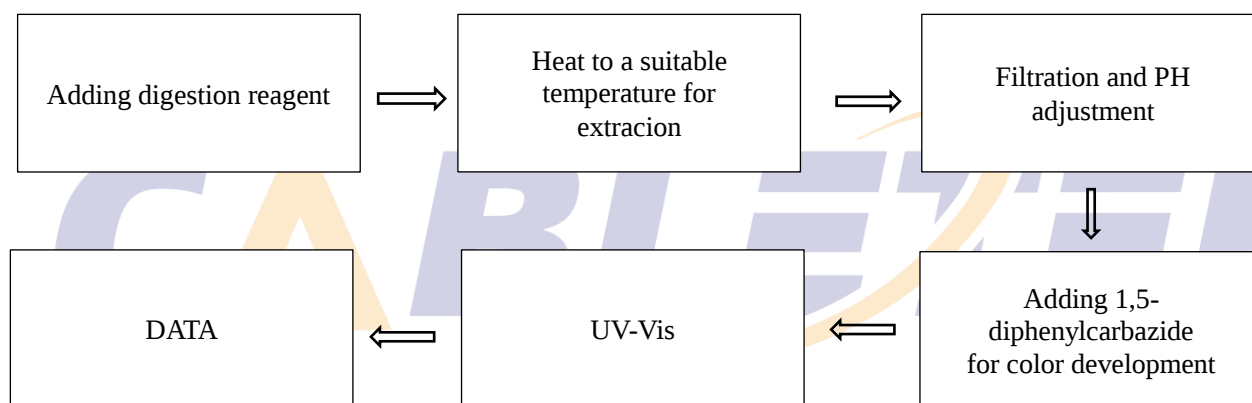
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2. Test for Hg Content

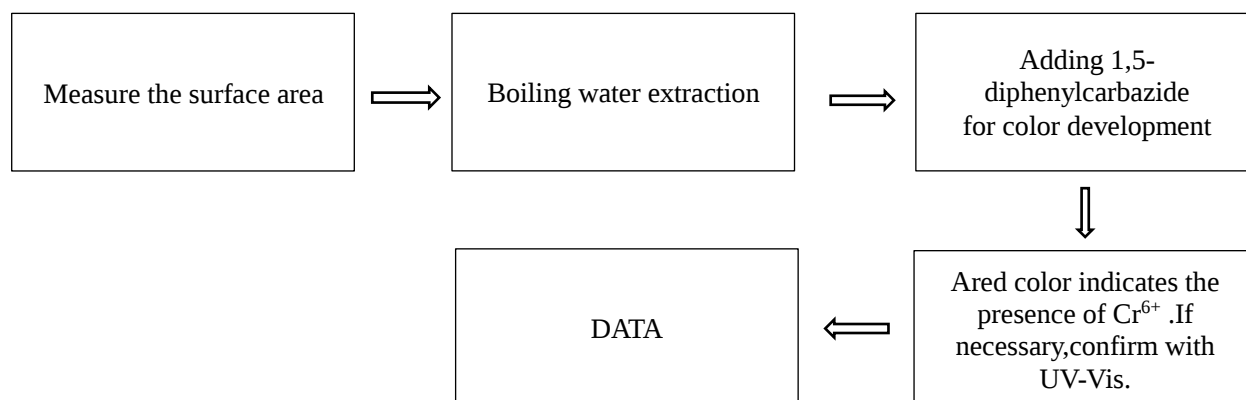


3. Test for Chromium(VI) Content

Nonmetal material

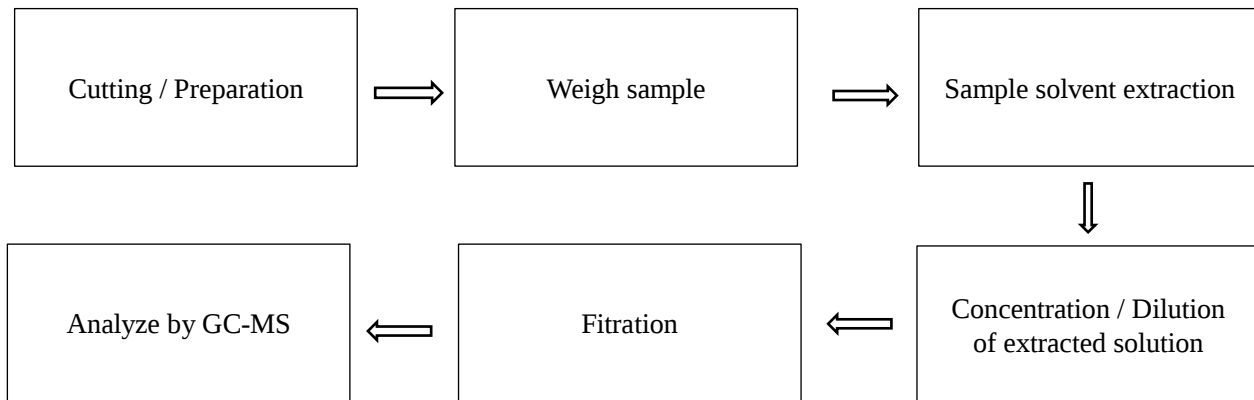


Metal material



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4. Test for DBP,BBP,DEHP,DIBP,PBB,PBDE Content



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ANNEX A: Photo-documentation Photo 1



Photo 2



***** END OF REPORT *****