



# Test Report

NO.: SLC231030003-2

Client: Shenzhen Esun Industrial CO.,Ltd.

Client's Address: Wuhan University Building A403-I and A901, No.6 Yuexing 2 Road, Nanshan District, Shenzhen, China

Samples information of the following tests are provided and confirmed by the applicant

Sample Name: ePLA-GF

Mode/Type: /

Sample Receiving State: See picture

Sample Receiving Date: Oct 30, 2023

Test Date: Oct 30, 2023~Oct 31, 2023

Test Method&Result: See the next page

Test Requested: As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863 to test Cadmium (Cd), Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr(VI)), Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Bis (2-ethylhexyl) phthalate (DEHP), and Diisobutyl phthalate (DIBP) in the submitted sample(s).



Corporate public number Report anti-counterfeiting query

Reported by: Xueyan Sun

Approved by: Xiaoyun Wang

Inspected by: An Wei

Date of issue: Nov 01, 2023



# Test Report

**Test Method:**

Test Item(s)	Test Method(s)	Test Equipment(s)
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+A1:2017	ICP-OES
Hexavalent chromium (Cr(VI))	IEC 62321-7-2:2017	UV-Vis
Polybrominated biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated diphenyl ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017	GC-MS
Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS
Bis (2-ethylhexyl) phthalate (DEHP)	IEC 62321-8:2017	GC-MS
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS

**Test Result:**

Test Item(s)	Test Result(s)	MDL	Unit:mg/kg
			EU RoHS Limit
Cadmium (Cd)	ND	1	100
Lead (Pb)	ND	2	1000
Mercury (Hg)	ND	2	1000
Hexavalent chromium (Cr(VI))	ND	7	1000
Monobromobiphenyl	ND	5	—
Dibromobiphenyl	ND	5	—
Tribromobiphenyl	ND	5	—
Tetrabromobiphenyl	ND	5	—
Pentabromobiphenyl	ND	5	—
Hexabromobiphenyl	ND	5	—
Heptabromobiphenyl	ND	5	—
Octabromobiphenyl	ND	5	—
Nonabromobiphenyl	ND	5	—
Decabromobiphenyl	ND	5	—
Sum of PBBs	ND	—	1000

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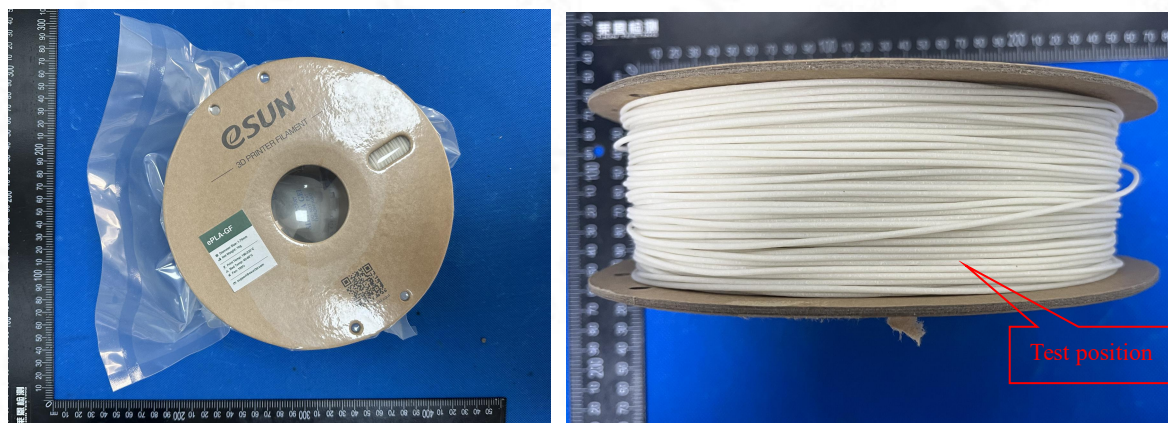
Unit:mg/kg

Test Item(s)	Test Result(s)	MDL	EU RoHS Limit
Monobromodiphenyl ether	ND	5	—
Dibromodiphenyl ether	ND	5	—
Tribromodiphenyl ether	ND	5	—
Tetrabromodiphenyl ether	ND	5	—
Pentabromodiphenyl ether	ND	5	—
Hexabromodiphenyl ether	ND	5	—
Heptabromodiphenyl ether	ND	5	—
Octabromodiphenyl ether	ND	5	—
Nonabromodiphenyl ether	ND	5	—
Decabromodiphenyl ether	ND	5	—
Sum of PBDEs	ND	—	1000
Butyl benzyl phthalate (BBP)	ND	30	1000
Dibutyl phthalate (DBP)	ND	30	1000
Bis (2-ethylhexyl) phthalate (DEHP)	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	30	1000
<b>Conclusion:Pass.</b>			

## Remarks:

ND= Not Detected (<MDL) ;  
 MDL = Method Detection Limit;  
 “—” = Not specified;  
 1mg/kg = 0.0001%(wt).

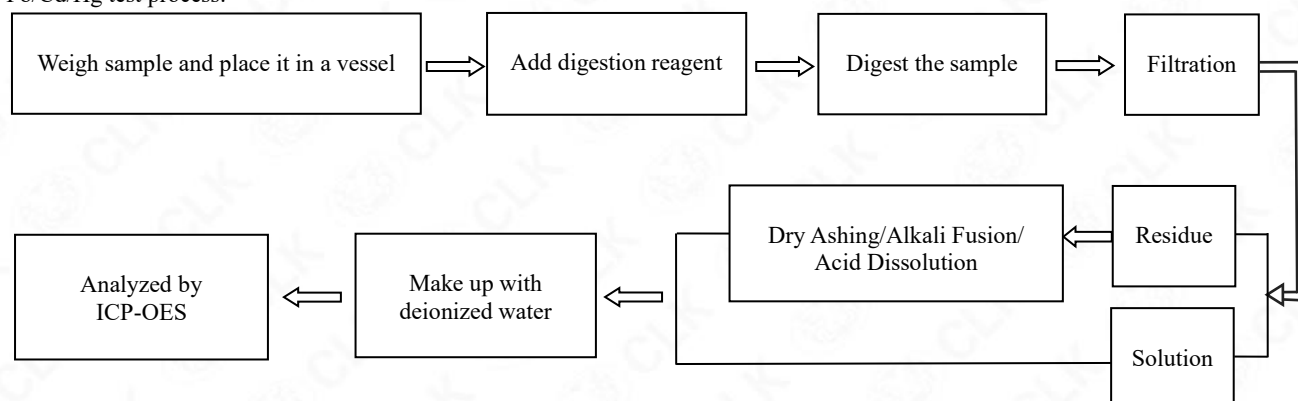
## Sample Picture:



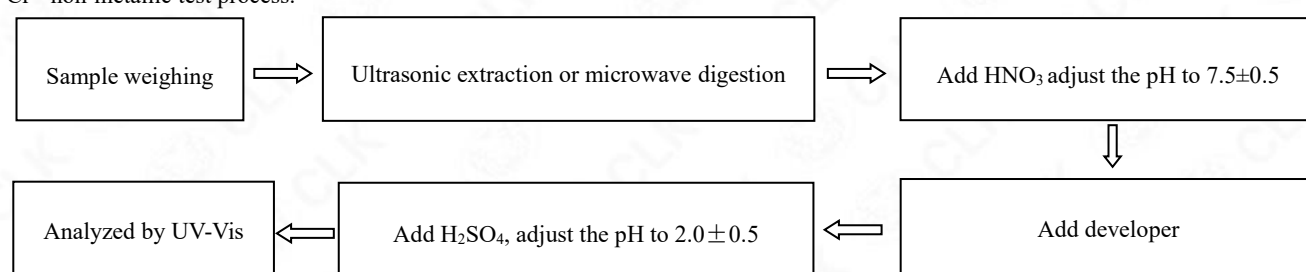
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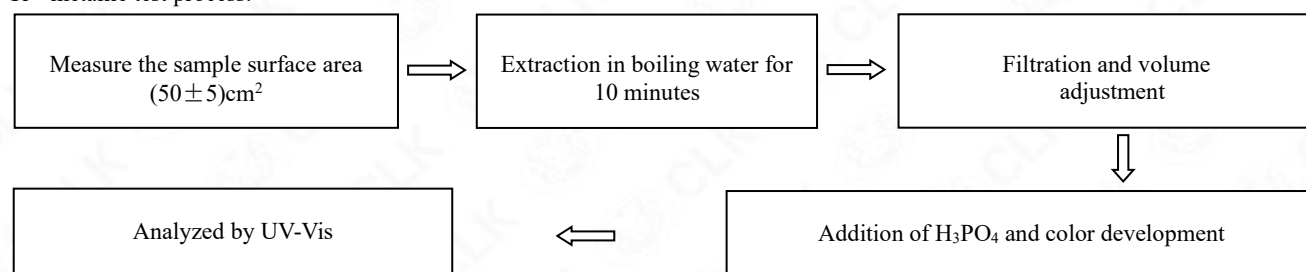
Pb/Cd/Hg test process:



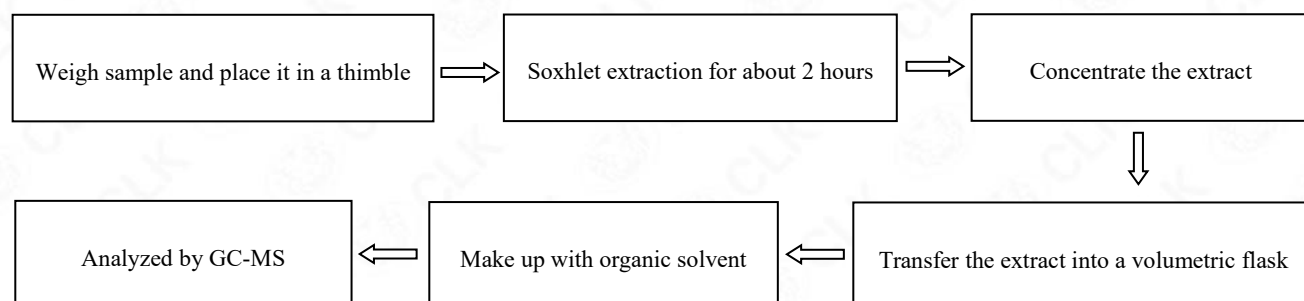
Cr<sup>6+</sup> non-metallic test process:



Cr<sup>6+</sup> metallic test process:



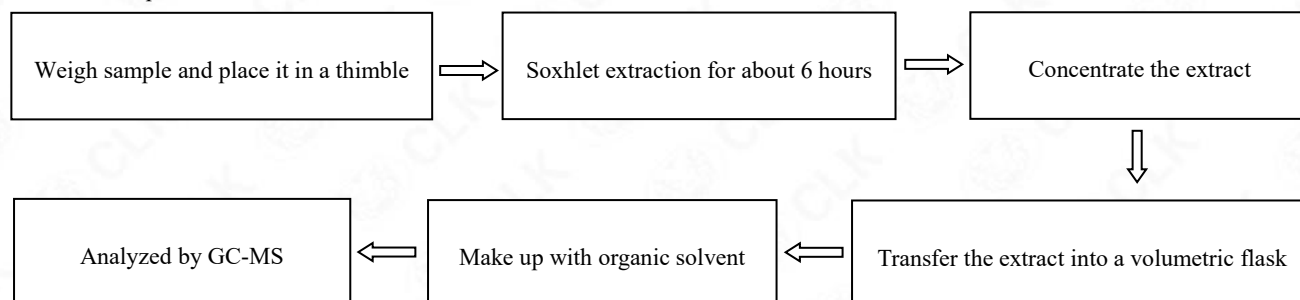
PBBs/PBDEs test process:





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Phthalate test process:



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Notes:

- 1.This laboratory is accredited by the China National Accreditation Service for Conformity Assessment (CNAS), and the certificate number is: CNAS L11111;
- 2.The results relate only to the test sample(s);
- 3.This report shall not be duplicated partially except with the written approval of the our laboratory;
- 4.The test reports is invalid without the signature of the approver and the special seal for the report;
- 5.The data results in this report are used for scientific research, teaching, internal quality control of enterprises, product development and other purposes;
- 6.The report without the certification mark (CMA) is only used for scientific research, teaching, enterprise internal quality control, product development and other purposes.