

Test Report

No.: NGBHL23000326801

Date: Feb 17, 2023

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Client Name: ZHAOQING CARLAS INDUSTRIAL CO., LTD.

Client Address: NO. 6 GUTANG NORTH ROAD, DAWANG HIGH-TECH ZONE, ZHAOQING CITY, GUANGDONG PROVINCE

Sample Description: TPU PAINT PROTECTION FILM

Style No.: CARLAS XPPF-TPU

The above sample(s) and information were provided by the client.

SGS No.: NBHL2302001828OT

Sample Receiving Date: Feb 13, 2023

Testing Period: Feb 13, 2023 ~ Feb 17, 2023

Test Requested: Select test(s) as requested by the client.

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Conclusion
1	Elemental analysis, Hexavalent Chromium(Cr(VI)), Flame Retardants & Phthalates	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Ashley Zhang

Ashley Zhang
Approved Signatory

scan to see the report



NGBHL23000326801



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Ningbo Branch Chemical Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	NGB23-0003268-0001.C001	Transparent plastic adhesive film

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Elemental analysis, Hexavalent Chromium(Cr(VI)), Flame Retardants & Phthalates

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Unit(s)	MDL	A1
Cadmium(Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	ND
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	mg/kg	8	ND
Polybromobiphenyl (PBBs)	mg/kg	-	ND
Monobromobiphenyl (MonoBB)	mg/kg	5	ND
Dibromobiphenyl (DiBB)	mg/kg	5	ND
Tribromobiphenyl (TriBB)	mg/kg	5	ND
Tetrabromobiphenyl (TetraBB)	mg/kg	5	ND
Pentabromobiphenyl (PentaBB)	mg/kg	5	ND
Hexabromobiphenyl (HexaBB)	mg/kg	5	ND
Heptabromobiphenyl (HeptaBB)	mg/kg	5	ND
Octabromobiphenyl (OctaBB)	mg/kg	5	ND
Nonabromobiphenyl (NonaBB)	mg/kg	5	ND
Decabromobiphenyl (DecaBB)	mg/kg	5	ND
Polybromodiphenyl ether(PBDEs)	mg/kg	-	ND
Monobromodiphenylether (MonoBDE)	mg/kg	5	ND
Dibromodiphenylether (DiBDE)	mg/kg	5	ND
Tribromodiphenylether (TriBDE)	mg/kg	5	ND
Tetrabromodiphenylether (TetraBDE)	mg/kg	5	ND
Pentabromodiphenylether (PentaBDE)	mg/kg	5	ND
Hexabromodiphenylether (HexaBDE)	mg/kg	5	ND
Heptabromodiphenylether (HeptaBDE)	mg/kg	5	ND
Octabromodiphenylether (OctaBDE)	mg/kg	5	ND
Nonabromodiphenylether (NonaBDE)	mg/kg	5	ND
Decabromodiphenylether (DecaBDE)	mg/kg	5	ND
Dibutyl Phthalate(DBP)	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	mg/kg	50	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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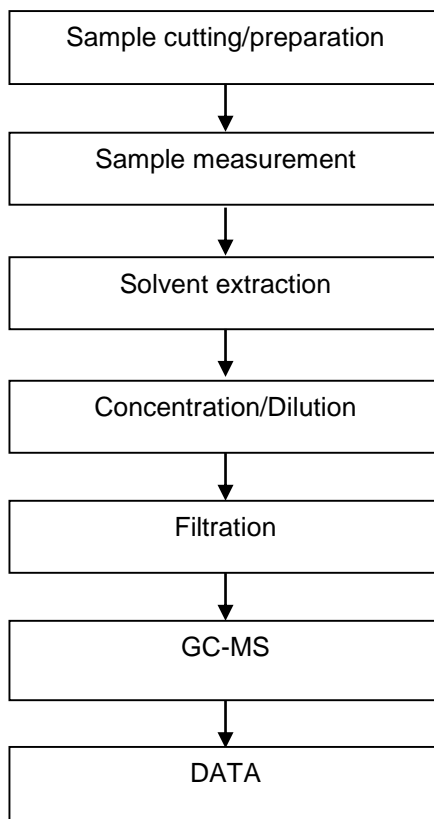
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Phthalates Testing Flow Chart



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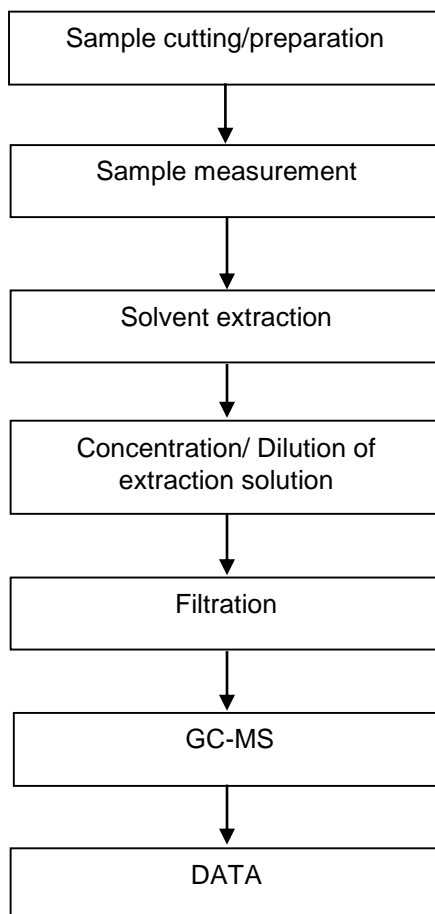
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PBBs/PBDEs Testing Flow Chart



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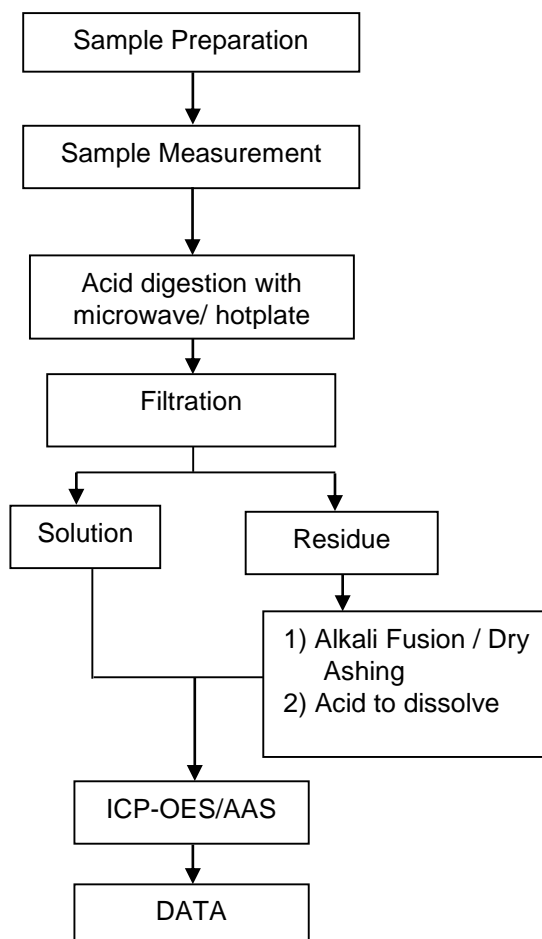
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Elements (IEC62321) Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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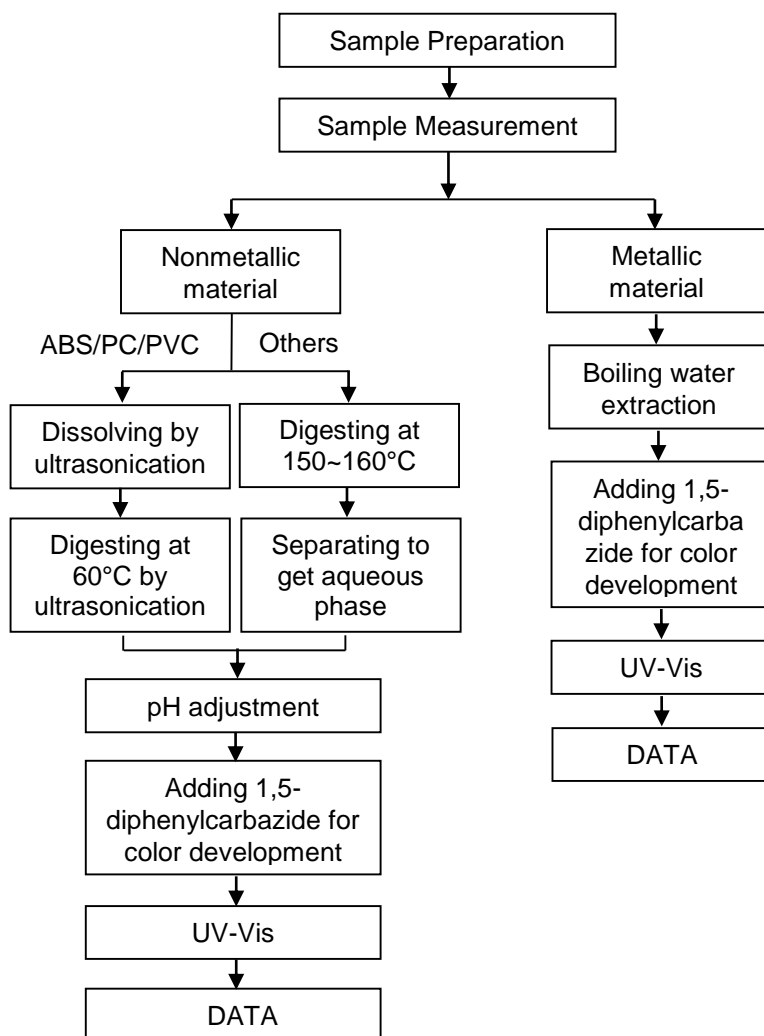
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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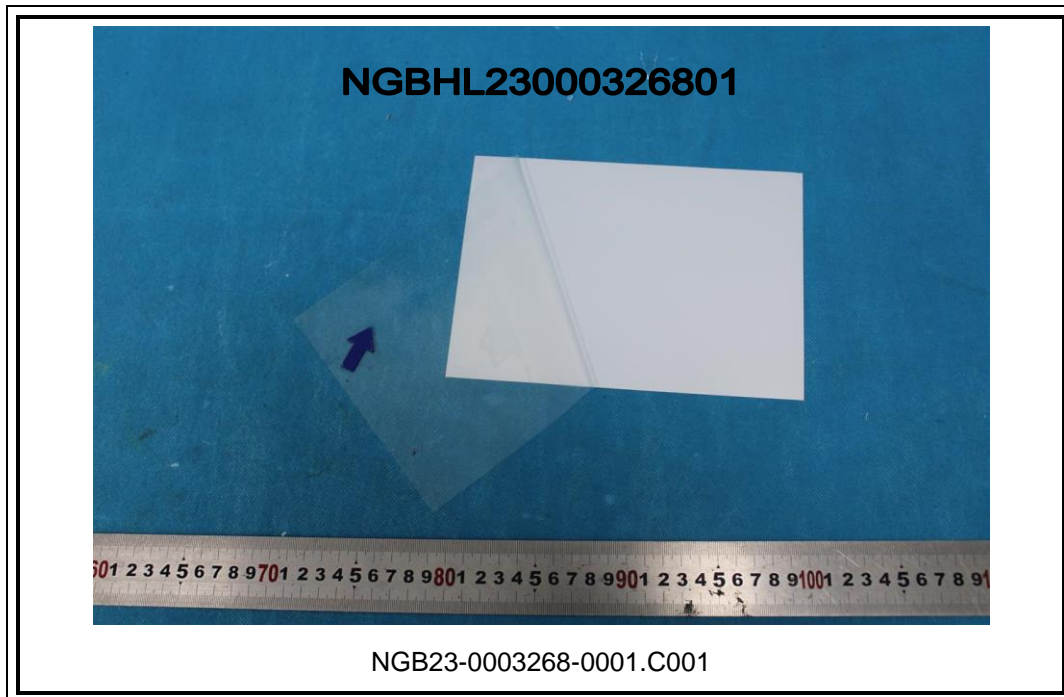
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Sample Photo:



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