Test Report

No.: SZXPC23003160151 **Date:** Dec 20, 2023

Client Name: ZHUHAI ZHANCHEN NEW MATERIALS CO., LIMITED

Client Address: NO.28 NANHUA SAN ROAD, FINE CHEMICAL LNDUSTRY ZONE, GAOLAN PORT ECONOMIC DISTRICT, ZHUHAI CITY

Sample Name: PU clear primer(mixture)

Client Ref. Information: See Attachment

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

SGS Job No.: SZPC2312007508

Sample Receiving Date: Dec 14, 2023

Testing Period: Dec 14, 2023 ~ Dec 20, 2023

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

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

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

Fay Yuan
Approved Signatory

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	026	SZX23-0031601-0001.C026	Light yellow liquid

Remarks:

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

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

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)	Limit	Unit(s)	MDL	026
Cadmium(Cd)	100	mg/kg	2	ND
Lead(Pb)	1000	mg/kg	2	ND
Mercury(Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBBs)	1000	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)	1000	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)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND

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Test Item(s)	Limit	Unit(s)	MDL	026
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

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.

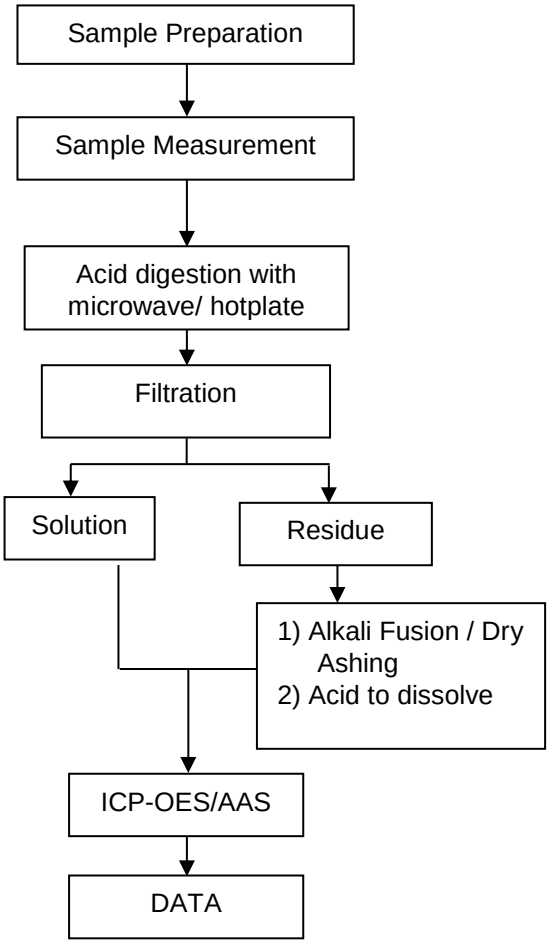
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Elements Testing Flow Chart

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

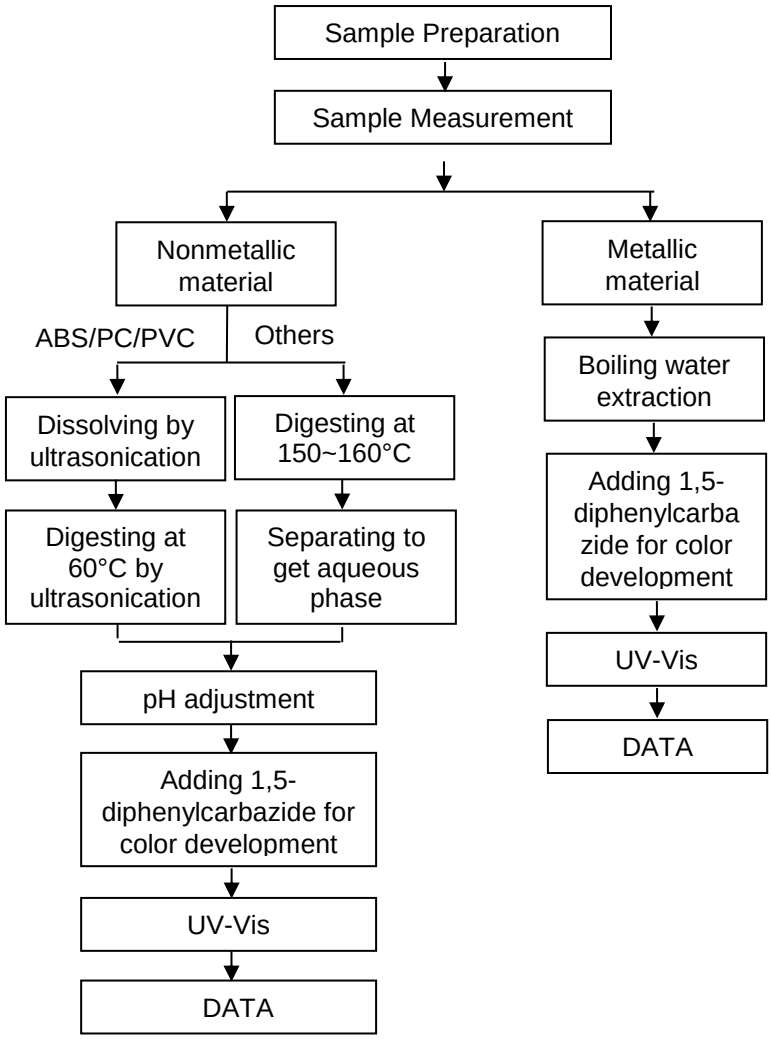


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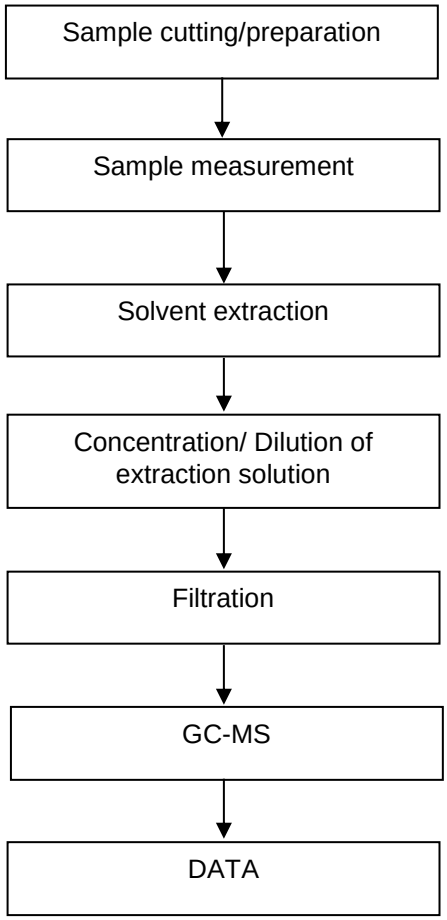
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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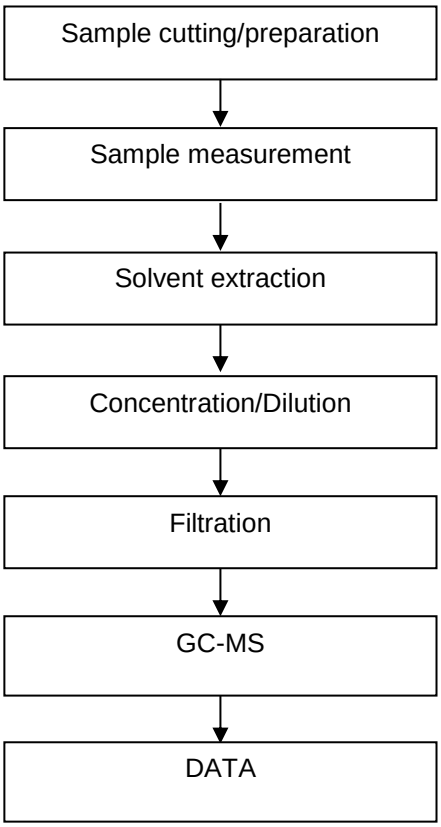
PBBs/PBDEs Testing Flow Chart



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Phthalates Testing Flow Chart



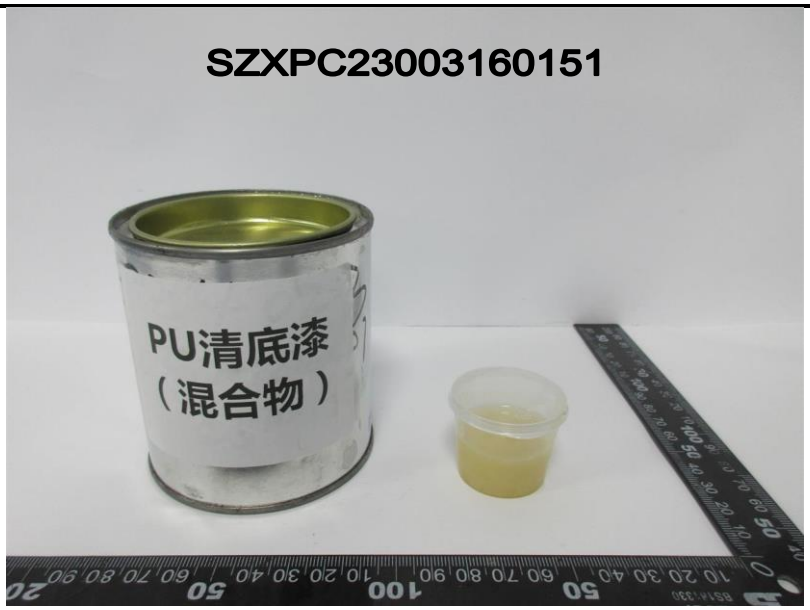
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Attachment:
ZP42001+ZP42001+ZP44001+PUAA ZP42002+ZP44002 PU AE special primer ZP42003+ZPZ4016+ZP44003 extra clear primer ZPZ4014 PU AB ZP42003K PU AA extra clear primer +ZP42004+ZP42004K+ZPZ4004A +ZP42054+ZPZ4019 extra clear primer ZPZ4004K+ZP42005+ZPZ4004+ZPZ4021 PU special primer with high solid transparent primer ZP42005KPU quick drying high solid transparent primer ZP42904+ ZP42905 PU transparent primer with high solid color ZP43001 extra clear primer PU odor AA ZP43002+ZPZ4023+ZPZ4024 PU extra clear primer AE extra clear primer ZP43003+ZPZ4305+GPZ4305 odor odor PU AB ZP43004+ZPZ4003+ZPZ4038+ZP4340X extra clear primer PU odor odor PU ZP43201 extra clear primer JIERUN AA ZP45001 ZPZ4501 extra clear primer PUAA extra clear primer ZP45006 PU weather resistant odor anti yellow primer ZP46001 open PU modified extra clear primer ZP46002 PU open ZP60001+ZP60007 PU extra clear primer primer ZPZ4001+ZPZ4001K Pu05, clear primer
ZPZ4005 PUAB special primer extra clear primer +ZPZ4007 PU transparent special exhibition Primer ZPZ508B PU silver primer ZP45002 PU AE ZP46003+ZP46011 PU weather resistant extra clear primer primer ZP85423 PU open odor primer +ZPZ4002 PUAA cyanide Baote extra clear primer dafuhao ZPZ4004D PU odor high solid transparent primer +ZPZ4011 PU crystal clear primer ZPZ4018 plastic plate special bottom cleaning paint ZPZ4022 PU transparent primer +ZPZ4023 PU net cyanide treasure+ ZPZ4301 PU electrostatic spraying primer taste extra clear primer +ZPZ4502 PU weathering extra clear primer primer PU bright+ ZPZ5008PU silver primer+ZPZ4025 PU collapse resistant super clear primer+ZPZ4506 Clear primer for sci-tech wood+ZPZ4302 PU clean TASTE AE super clear primer+ZPZ4188 PU transparent primer

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