

Test Report	No.:	SHAEC23001828008	Date:	Mar 15, 20	Page 1 of 8		
Client Name: Fo	oshan Sinzpo	New Materials Co.,Itd					
Client Address: #	704,Wanda P	laza,GuilanRoad, Guicł	neng,Foshan,Gua	angdong,Ch	ina		
Sample Name:	Bi	o-based Plasticizer					
Model No.:	X	XZB-SW662 BPCP-80A、BPCP-200、BPCP-300、BPCP-400、BPCP-500、BPCP-700、 BPCP-800 、BPCP-900					
Client Ref. Informa							
The above sample	e(s) and inforr	nation were provided by	y the client.				
SGS Job No.:	SI	P23-004725					
Sample Receiving	Date: Fe	eb 27, 2023					
Testing Period:	Fe	Feb 27, 2023 ~ Mar 15, 2023					
Test Requested:	Se	Select test(s) as requested by the client.					
Test Method(s):	PI	ease refer to next page	e(s).				
Test Result(s):	PI	ease refer to next page	(S).				
Test Requireme					Conclusion		
2011/65/EU- Lea	d, Mercury, C	/863 amending Annex I Cadmium, Hexavalent cl ated diphenyl ethers (P	hromium, Polybro		Pass		

phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and

Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Ni Tom

Diisobutyl phthalate (DIBP)

Tetrabromobisphenol A (TBBP-A)

Tom Ni Approved Signatory



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e sgs.china@sgs.com

See Results

See Results



Test Report

No.: SHAEC23001828008

Date: Mar 15, 2023

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA23-0018280-0001.C001	Colorless transparent 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	A1
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	A1	
	Bis-(2-ethylhexyl) Phthalate(DEHP)			1000	mg/kg	50	ND	
	Diisobutyl Phthalate(I	DIBP)		1000	mg/kg	50	ND	

Notes:

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(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.

Tetrabromobisphenol A (TBBP-A)

Test Method: With reference to SGS in house method, analysis was performed by GC-MS or LC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Tetrabromobisphenol A (TBBP-A)	79-94-7	mg/kg	5	ND

Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)

Test Method: With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Alkanes C ₁₄ -C ₁₇ , chloro (medium- chain chlorinated paraffins) (MCCPs)	85535-85-9 and others	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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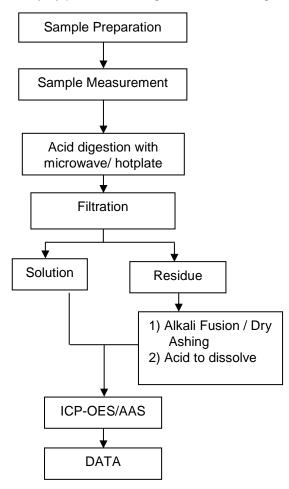


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Elements (IEC62321) Testing Flow Chart

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





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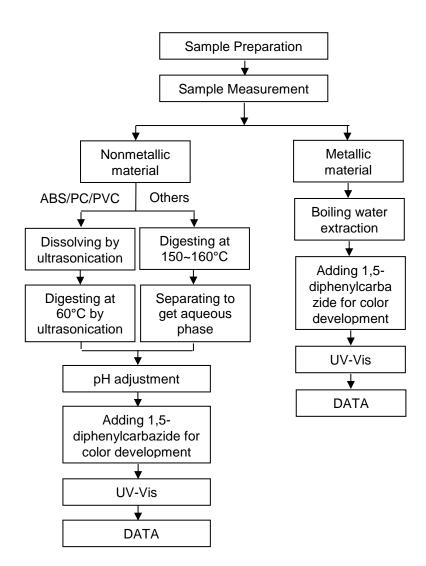


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Test Report

Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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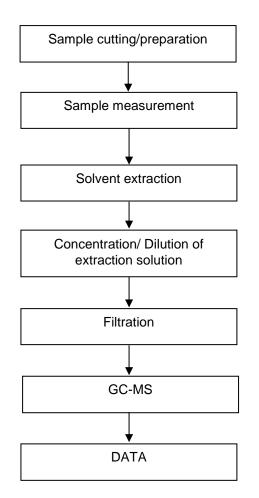
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PBBs/PBDEs Testing Flow Chart





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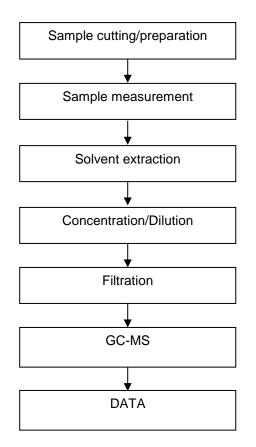
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Phthalates Testing Flow Chart





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Test Report No.: SHAEC23001828008 Page 8 of 8 **Date:** Mar 15, 2023 Sample Photo: D ARRO ENPRO DEK CO., LTD ARE PLAN PART I 4.62 22.52 (Oml 2.28-11 Cardaot information LIDOR (ALL - HE - 182-01/73-120) COLUMN A DOWN my Impany China RECEIPT ADDRESS.P

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