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est Report	No.:	SZXEC24001915705	Date:	Jun 21, 202	4 Page 1 of 8
Client Name:	SHENZHEN A	SAHI ELECTRONIC MATE	ERIALS CO., I	TD	
		DG.7, FOUR OYSTERS V 'AN DISTRICT, SHENZHE		DUSTRIAL ZO	DNE, SHAJING
Sample Name:	Le	ead-free Solder Paste			
Model No.:	G	LH-980-VW			
Client Ref. Inform	nation: G	LH-960-VW、GLH-910-VV	N		
The above samp	le(s) and infor	mation were provided by th	ne client.		
SGS Job No.:	S	ZP24-026026			
Sample Receivin	g Date: Ju	ın 17, 2024			
Testing Period:	Ju	un 17, 2024 ~ Jun 21, 2024	4		
Test Requested:	S	elect test(s) as requested b	by the client.		
Test Method(s):	Р	ease refer to next page(s)			
Test Result(s):	Р	ease refer to next page(s)			
Test Requirem	ent				Conclusion
- Lead, Mercury (PBB), Polybror	r, Caḋmium, H minated dipher penzyl phthalat	/863 amending Annex II to exavalent chromium, Polyk nyl ethers (PBDE), Bis(2-et e (BBP), Dibutyl phthalate	prominated bip thylhexyl) phth	ohenyls alate	Pass

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

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phthalate (DIBP)

Tina Fan Approved Signatory





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# **Test Report**

### No.: SZXEC24001915705

Date: Jun 21, 2024

## Test Result(s):

**Test Part Description:** 

SN ID	Sample No.	SGS Sample ID	Description
SN1	A3	SZX24-0019157-0001.C003	Gray paste

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 (PBB), Polybrominated diphenyl ethers (PBDE), 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/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A3
Lead (Pb)	1000	mg/kg	2	27
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND



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Test Item(s)	Limit	Unit(s)	MDL	A3
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate(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.

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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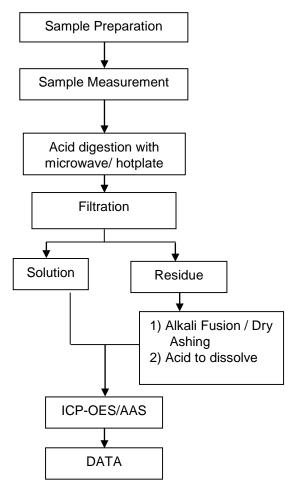
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# **Elements Testing Flow Chart**

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





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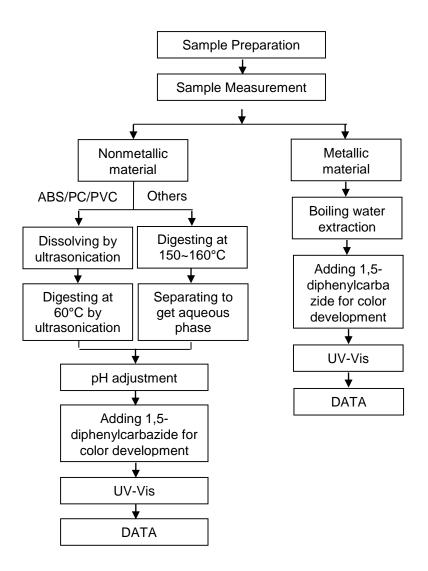
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SZXEC24001915705 No.:

Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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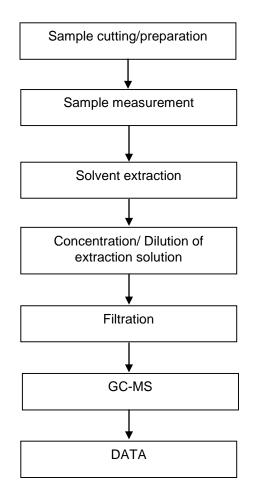
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### No.: SZXEC24001915705

### **PBB/PBDE Testing Flow Chart**





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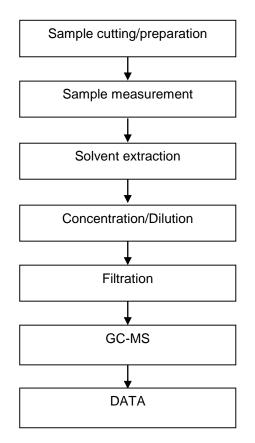
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### **Phthalates Testing Flow Chart**

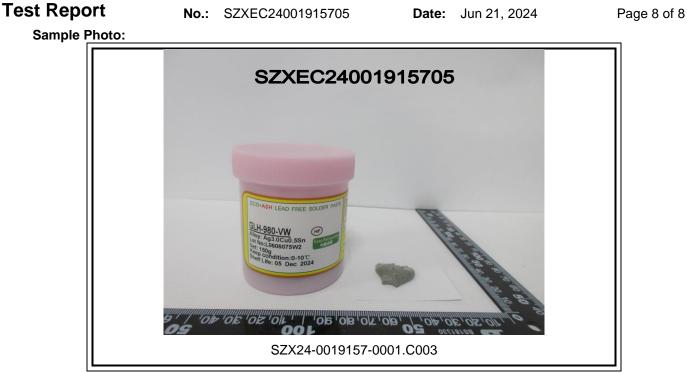




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