

Test Report No.: SHAPH23007660601_2 **Date**: Jun 16, 2023 Page 1 of 11

Client Name: Beisit Electric Tech (Hangzhou) Co. Ltd.

Client Address: 1 Tangmei Rd., Linping Area, Hangzhou, Zhejiang 311100, China

Sample Name: Cable Glands

Material and Mark: PA、NBR、EPDM、Silicone Rubber、FVMQ;

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

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THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAPH23007660601_1, DATE: Jun 14, 2023.

SGS Job No.: SHIN2306004129PL01

Sample Receiving Date: Jun 06, 2023

Testing Period: Jun 06, 2023 ~ Jun 13, 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)	Pass
phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and	
Diisobutyl phthalate (DIBP)	

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

Lilac Wei

Approved Signatory

Examei





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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	002	SHA23-0076606-0001.C002	Black plastic parts
SN2	004	SHA23-0076606-0001.C004	Black soft solid parts
SN3	005	SHA23-0076606-0001.C005	Black soft solid parts
SN4	006	SHA23-0076606-0001.C006	White soft solid parts
SN5	007	SHA23-0076606-0001.C007	Blue soft solid parts

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	002	004	005
Cadmium(Cd)	100	mg/kg	2	ND	ND	ND
Lead (Pb)	1000	mg/kg	2	ND	7	7
Mercury (Hg)	1000	mg/kg	2	ND	ND	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND	ND	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	ı	ND	ND	ND
Monobromobiphenyl (MonoBB)	•	mg/kg	5	ND	ND	ND
Dibromobiphenyl (DiBB)	•	mg/kg	5	ND	ND	ND
Tribromobiphenyl (TriBB)	•	mg/kg	5	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	•	mg/kg	5	ND	ND	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND	ND	ND
Hexabromobiphenyl (HexaBB)	•	mg/kg	5	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	•	mg/kg	5	ND	ND	ND
Octabromobiphenyl (OctaBB)	•	mg/kg	5	ND	ND	ND
Nonabromobiphenyl (NonaBB)	•	mg/kg	5	ND	ND	ND
Decabromobiphenyl (DecaBB)	•	mg/kg	5	ND	ND	ND
Polybromodiphenyl ether(PBDEs)	1000	mg/kg	ı	ND	ND	ND
Monobromodiphenylether	-	mg/kg	5	ND	ND	ND
(MonoBDE)						
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND	ND	ND
Tribromodiphenylether (TriBDE)	-	mg/kg	5	ND	ND	ND
Tetrabromodiphenylether (TetraBDE)	-	mg/kg	5	ND	ND	ND
Pentabromodiphenylether (PentaBDE)	-	mg/kg	5	ND	ND	ND



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Test Item(s)	Limit	Unit(s)	MDL	002	004	005
Hexabromodiphenylether (HexaBDE)	ı	mg/kg	5	ND	ND	ND
Heptabromodiphenylether (HeptaBDE)	-	mg/kg	5	ND	ND	ND
Octabromodiphenylether (OctaBDE)	-	mg/kg	5	ND	ND	ND
Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND	ND	ND
Decabromodiphenylether (DecaBDE)	-	mg/kg	5	ND	ND	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND	ND	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND	ND	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND	ND	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND	ND	ND

Test Item(s)	Limit	Unit(s)	MDL	006	007
Cadmium(Cd)	100	mg/kg	2	ND	ND
Lead (Pb)	1000	mg/kg	2	ND	ND
Mercury (Hg)	1000	mg/kg	2	ND	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	-	ND	ND
Monobromobiphenyl (MonoBB)	-	mg/kg	5	ND	ND
Dibromobiphenyl (DiBB)	-	mg/kg	5	ND	ND
Tribromobiphenyl (TriBB)	-	mg/kg	5	ND	ND
Tetrabromobiphenyl (TetraBB)	-	mg/kg	5	ND	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND	ND
Hexabromobiphenyl (HexaBB)	-	mg/kg	5	ND	ND
Heptabromobiphenyl (HeptaBB)	-	mg/kg	5	ND	ND
Octabromobiphenyl (OctaBB)	-	mg/kg	5	ND	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	5	ND	ND
Decabromobiphenyl (DecaBB)	-	mg/kg	5	ND	ND
Polybromodiphenyl ether(PBDEs)	1000	mg/kg	-	ND	ND
Monobromodiphenylether (MonoBDE)	-	mg/kg	5	ND	ND
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND	ND
Tribromodiphenylether (TriBDE)	-	mg/kg	5	ND	ND
Tetrabromodiphenylether (TetraBDE)	-	mg/kg	5	ND	ND
Pentabromodiphenylether (PentaBDE)	-	mg/kg	5	ND	ND
Hexabromodiphenylether (HexaBDE)	-	mg/kg	5	ND	ND
Heptabromodiphenylether (HeptaBDE)	-	mg/kg	5	ND	ND
Octabromodiphenylether (OctaBDE)	-	mg/kg	5	ND	ND
Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND	ND



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Test Item(s)	Limit	Unit(s)	MDL	006	007
Decabromodiphenylether (DecaBDE)	-	mg/kg	5	ND	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	1000	mg/kg	50	ND	ND
Diisobutyl Phthalate(DIBP)	1000	mg/kg	50	ND	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.

This report updates Sample Photo.

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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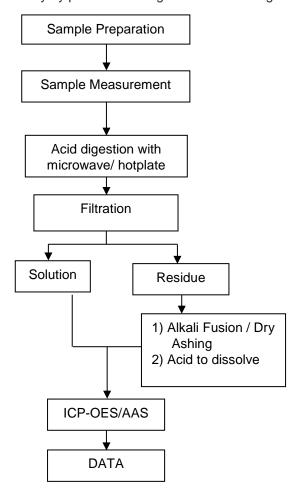
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Elements Testing Flow Chart

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





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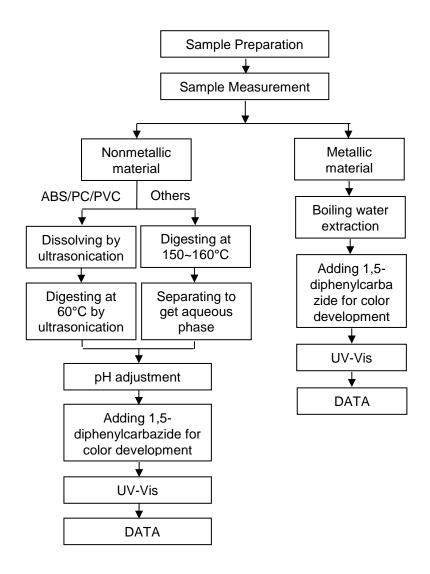


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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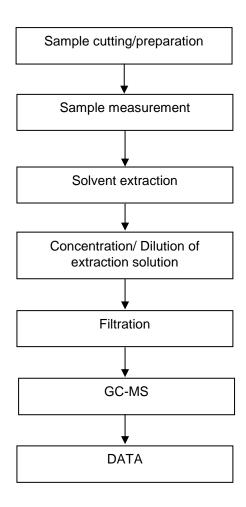
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PBBs/PBDEs Testing Flow Chart





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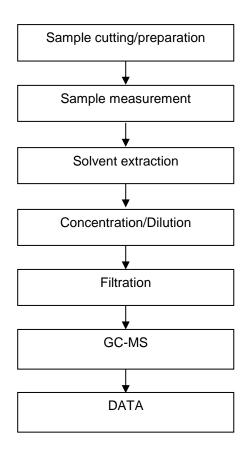
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Phthalates Testing Flow Chart





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Sample Photo:







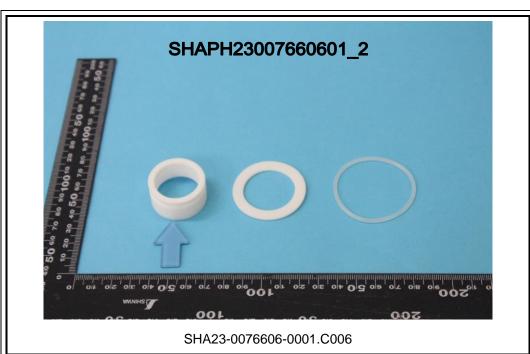
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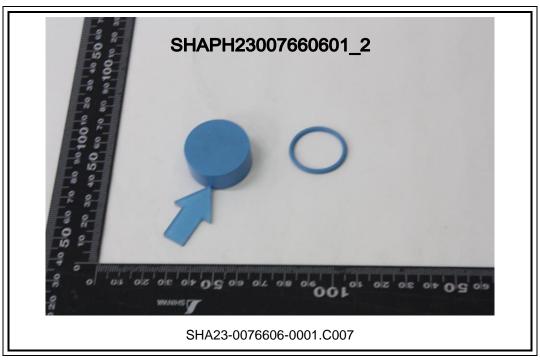
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