

Test Report

No.: SZXEC24003757602

Date: Dec 09, 2024

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Client Name: SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO.,LTD

Client Address: 12/F, BUILDING 3C, TIANAN CLOUD PARK PHASE 1,BANTIAN, LONGGANG DISTRICT, SHENZHEN, CHINA

Sample Name: DIP CRYSTAL RESONATOR

Model No.: DIP 49S

Client Ref. Information: 49SMD、49S、49SS、49SSMD、M49SSMD、M49SS、SMD3068、HC-49U、2*6、3*8、3*9、TO-39、F-11、D-11、UM-1、UM-5、206B、M49SMD、FullSizeOSC、HalfSizeOSC、OCXO

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

SGS Job No.: SZP24-052815

Sample Receiving Date: Dec 02, 2024

Testing Period: Dec 02, 2024 ~ Dec 06, 2024

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
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)	See Results
Halogen	See Results

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

Andy

Andy Ni
Approved Signatory

scan to see the report



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	SZX24-0037576-0001.C002	"DIP CRYSTAL RESONATOR" (Mixed)

Remarks:

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

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 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Unit(s)	MDL	A2
Lead (Pb)	mg/kg	2	7
Mercury (Hg)	mg/kg	2	ND
Cadmium (Cd)	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	mg/kg	8	ND
Polybrominated biphenyls (PBB)	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	mg/kg	25	ND
Octabrominated diphenyl ether (OctaBDE)	mg/kg	25	ND



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Test Item(s)	Unit(s)	MDL	A2
Nonabrominated diphenyl ether (NonaBDE)	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	mg/kg	25	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	mg/kg	50	ND
Benzyl Butyl Phthalate (BBP)	mg/kg	50	ND
Dibutyl Phthalate (DBP)	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	mg/kg	50	ND

Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A2
Fluorine(F)	mg/kg	20	ND
Chlorine(Cl)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
Iodine(I)	mg/kg	50	ND

Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

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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PBB/PBDE/Phthalates Testing Flow Chart



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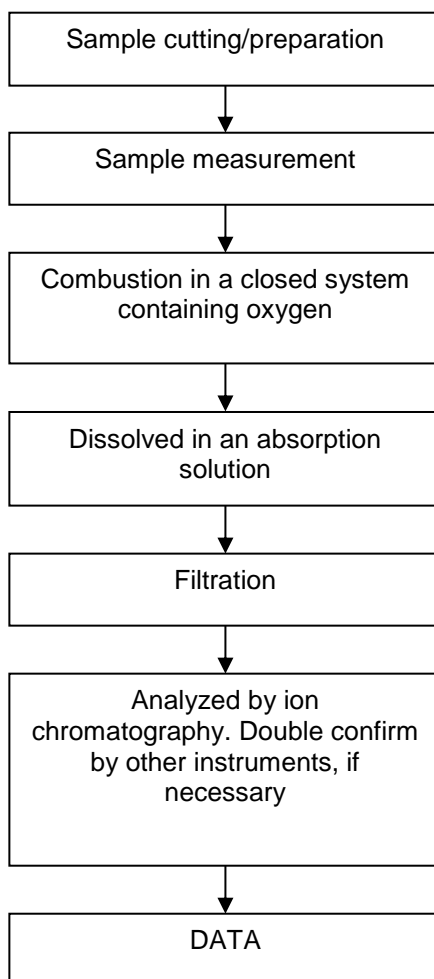
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Halogen Testing Flow Chart



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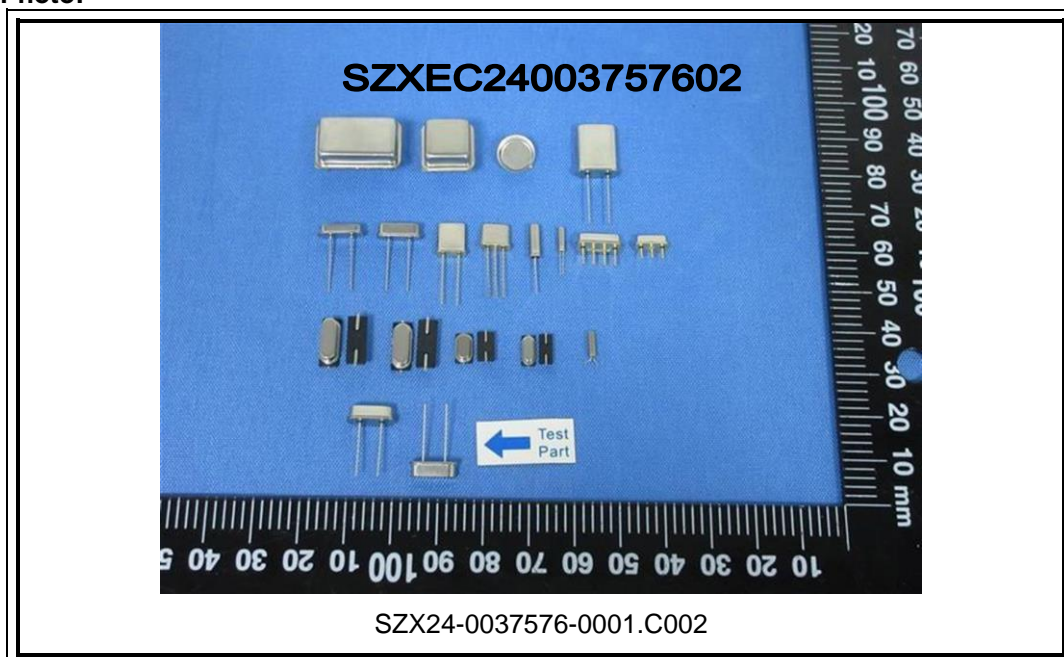
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Sample Photo:



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