

Test Report No.: CANEC24005621808 **Date**: Apr 12, 2024 Page 1 of 8

Client Name: SHENZHEN CODACA ELECTRONIC CO., LTD.

Client Address: 3401-3405, BUILDING 11, PHASE II, TIANAN CLOUD PARK, GANGTOU COMMUNITY,

BANTIAN STREET, LONGGANG DISTRICT, SHENZHEN

Sample Name: High Current Power Inductors (Including MnZn ferrite Core/Enamelled flat

Wire/Glue/Varnish/Tin/Terminal/Base/paint)

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

SGS Job No.: SZP24-011932 Sample Receiving Date: Mar 26, 2024

Testing Period: Mar 26, 2024 ~ Apr 03, 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

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

Allie Chen

Allie Chen
Approved Signatory





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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
			"High Current Power Inductors
			(Including MnZn ferrite Core/Enamelled
SN1	A3	CAN24-0056218-0001.C003	flat
			Wire/Glue/Varnish/Tin/Terminal/Base/pai
			nt) "(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,

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	ND
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)	1	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	1	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	1	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	1	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	1	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	1	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	1	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	1	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



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Test Item(s)	Limit	Unit(s)	MDL	A3
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND
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
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

The limit(s) was/were submitted by applicant.

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.



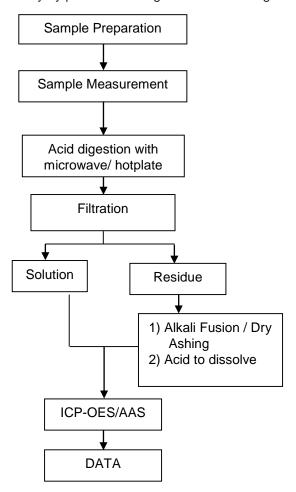
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Elements Testing Flow Chart

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



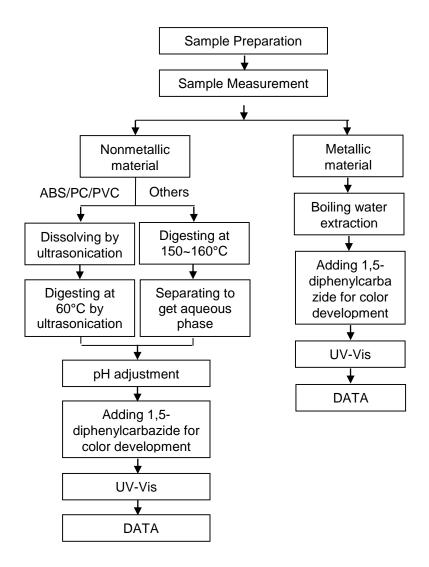


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





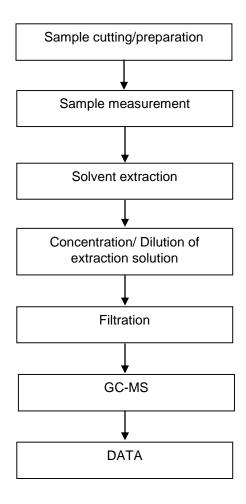
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PBB/PBDE Testing Flow Chart





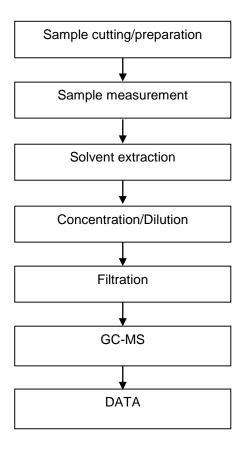
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Phthalates Testing Flow Chart





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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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