

Test Report

No.: CANEC24027434801

Date: Dec 16, 2024

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Client Name: GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO.,LTD ZHENGHUA CERAMIC DISC CAPACITOR BRANCH COMPANY

Client Address: MULTIPLE FUNCTIONAL BUILDING, BLOCK 110, INDUSTRIAL ZONE, ROAD 1ST DUANZHOU, ZHAOQING CITY, GUANGDONG, P.R. CHINA

Sample Name: CERAMIC DISC CAPACITOR

Client Ref. Information: The products include six major series: CC1, CT1, CC81, CT81, CS1, and CT7 (including CT7 discs, CT7-CHG vehicle specifications, and CT7-CHL series). The following are some representative specifications: CT7-Y5V-222M-250VAC, CT7-Y5V-472M-250VAC, CT7-Y5P-101K-400VAC, CT7-Y5V-103M-300VAC, CT7-Y5V-103M-500VAC, CT81-Y5V-102M-10KV, CT81-Y5V-102M-15KV, CT81-Y5U-471M-10KV, CC1-NPO-33J-50V, CT1-Y5V-103M-50V, CS1-Y5V-104Z-50V, CT1-Y5P-102K-500V, CT81-Y5V-472M-1KV, CC81-SL-68K-4KV, CT81-Y5V-102M-2KV, CT7-Y5U-472M-400VAC, CT7-Y5V-103M-300VAC-CHG, CT7-Y5P-471M-300VAC-CHG, CT7-Y5U-472M-300VAC-CHG, CT7-Y5U-102M-300VAC-CHG, CT7-Y5P-111K-500VAC-CHL, CT7-Y5P-131K-500VAC-CHL, CT7-Y5P-151K-500VAC-CHL, CT7-Y5U-331K-500VAC-CHL, CC81-U2J-5K-15KV, CC81-S3L-101K-20KV, CT81-Y5P-102K-15KV, CT81-U2J-10K-20KV, CC81-T3M-102K-15KV, CC81-T3M-101K-15KV, CT81-Y5U-102M-20KV, CT81-Y5R-102K-2KV, CT81-Y5R-102K-1KV, CT7-Y5R-471M-250VAC, CT7-Y5R-471M-400VAC, CT7-Y5U-102M-400VAC (blue powder), CT7-Y5U-472M-400VAC (blue powder), CT7-Y5U-472M-300VAC (blue powder), CT7-Y5V-103M-250VAC (blue powder), CT81-Y5V-103M-2KV (blue powder)

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

SGS Job No.: GZP24-039204

Sample Receiving Date: Dec 06, 2024

Testing Period: Dec 06, 2024 ~ Dec 16, 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).

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

Violet Shi

Violet Shi
Approved Signatory

scan to see the report



143D7631



Test Requirement	Conclusion
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)	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0274348-0001.C001	Yellow body with black printing

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

Test Item(s)	Limit	Unit(s)	MDL	A1
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
Polybrominated biphenyls (PBB)	1000	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)	1000	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



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Test Item(s)	Limit	Unit(s)	MDL	A1
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
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Di-2-Ethyl Hexyl 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:

- (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.

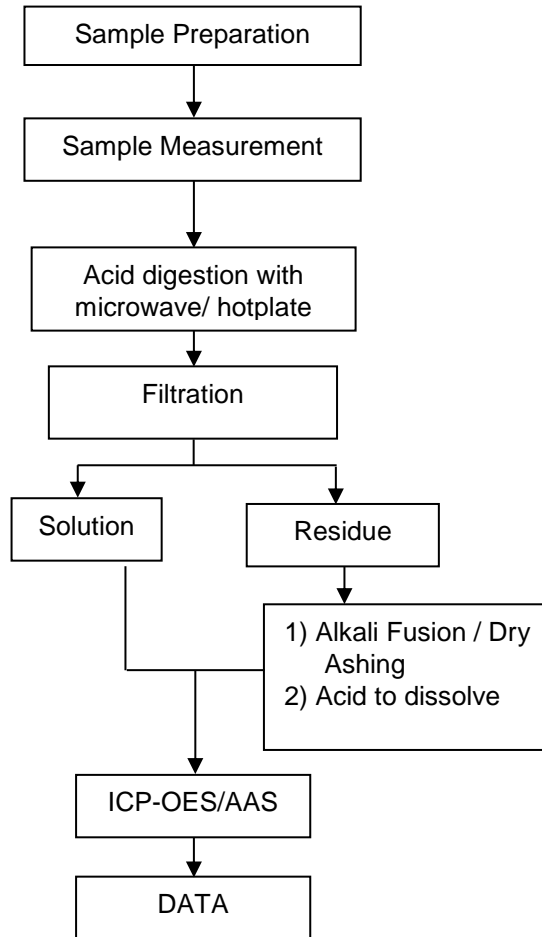


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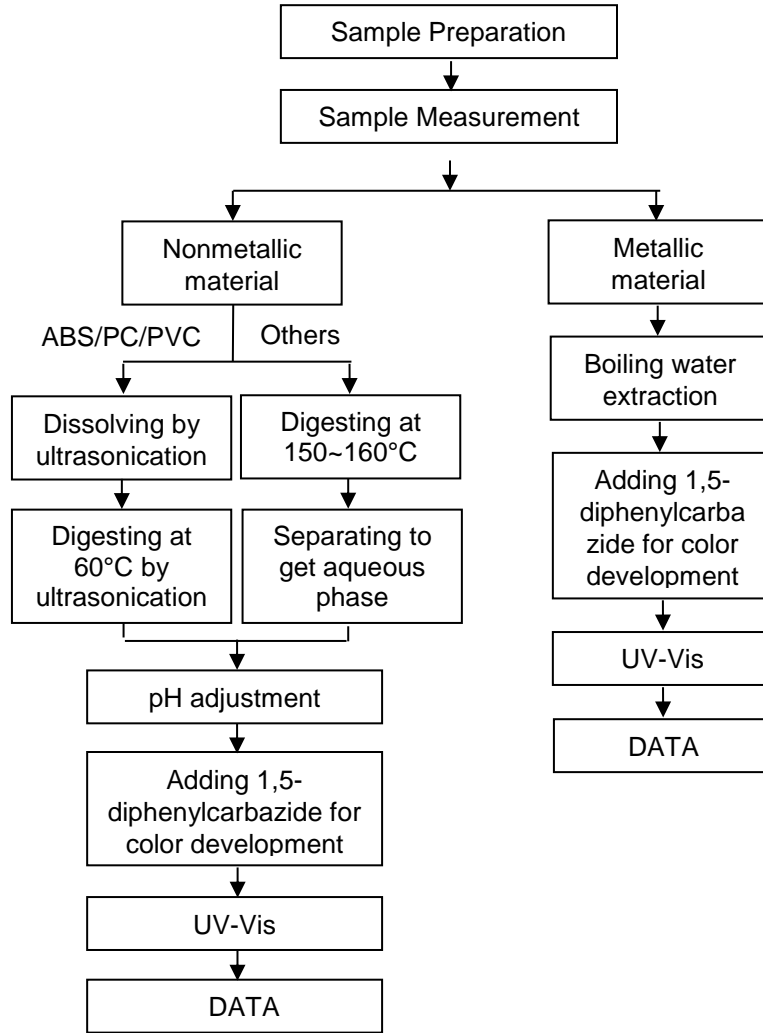
Elements Testing Flow Chart

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

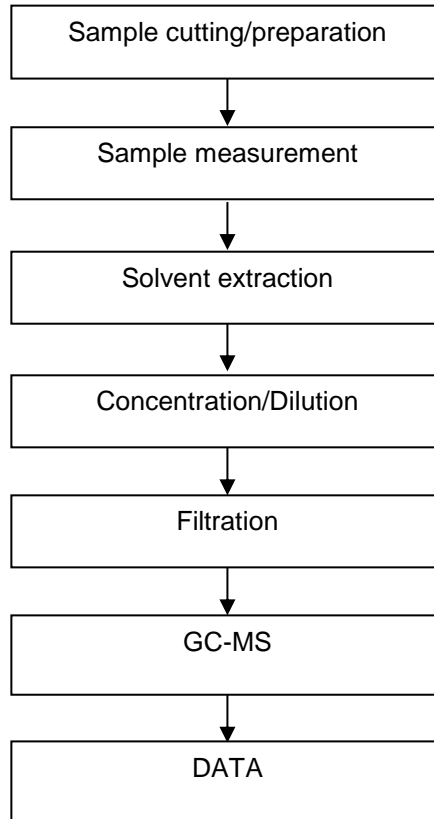


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



PBB/PBDE/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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Guangzhou Branch Technical Services Laboratory

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