

Test Report

No.: CANEC25029129704

Date: Dec 03, 2025

Page 1 of 8

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 CAPACITOR

Client Ref. Information: The product line includes six major series: CC1, CT1, CC81, CT81, CS1, and CT7 (including CT7 wafers, CT7-CHG automotive-grade, and CT7-CHL series). 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, CT7-Y5U-472M-400VAC, CT7-Y5U-472M-300VAC, CT7-Y5V-103M-250VAC, CT81-Y5V-103M-2KV

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

SGS Job No.: GZP25-033062
Sample Receiving Date: Nov 25, 2025
Testing Period: Nov 25, 2025 ~ Dec 01, 2025
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 BranchAllie Chen 陈江梨
Approved Signatory

Scan to see the report



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This report is English version of CANEC25029129703.

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Test Report

No.: CANEC25029129704

Date: Dec 03, 2025

Page 2 of 8

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
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium and Hexavalent chromium	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN25-0291297-0001.C001	Yellow body with black printing
SN2	A2	CAN25-0291297-0001.C002	Silvery metal pin

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



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Test Report

No.: CANEC25029129704

Date: Dec 03, 2025

Page 3 of 8

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

- (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.

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-1:2015, analysis was performed by ICP-OES/AAS and UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A2
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)) [▼]	-	µg/cm ²	0.10	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) [▼] =
 - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr(VI).
 - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr(VI) based coating.
 - c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.



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Remark: Results & photo(s) of this report refer to test report CANEC25029129701.

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.



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, Guangzhou, China

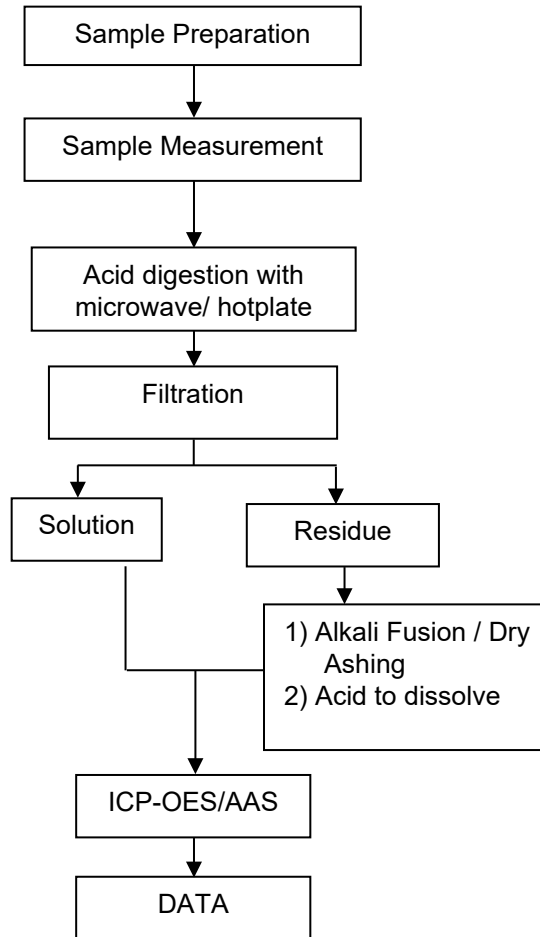
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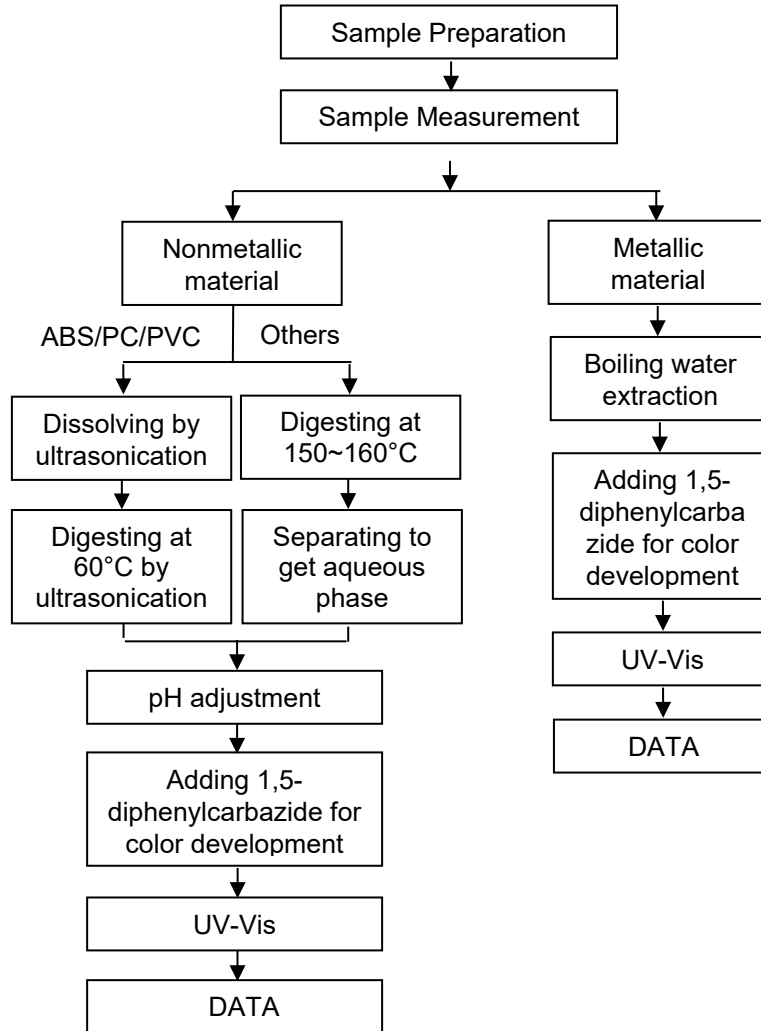
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Elements Testing Flow Chart

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



Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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Test Report

No.: CANEC25029129704

Date: Dec 03, 2025

Page 8 of 8

Sample Photo:



SGS authenticate the photo on original report only
 *** End of Report ***



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