

Test Report

No.: CANEC25029129707

Date: Dec 03, 2025

Page 1 of 9

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).

Test Requirement	Conclusion
Phthalates	See Results
Halogen	See Results

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

Kelly Qu
Approved Signatory

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Test Report

No.: CANEC25029129707

Date: Dec 03, 2025

Page 2 of 9

Test Requirement	Conclusion
Polycyclic Aromatic Hydrocarbons (PAHs)	See Results

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

Remarks:

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

Phthalates

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dibutyl Phthalate(DBP)	84-74-2	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	84-69-5	mg/kg	50	ND
Bis(2-methoxyethyl)phthalate(DMEP)	117-82-8	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	mg/kg	50	ND
Dipentyl Phthalate (DPENP/DnPP)	131-18-0	mg/kg	50	ND
Dicyclohexyl Phthalate(DCHP)	84-61-7	mg/kg	50	ND
Diisopentyl Phthalate(DIPP)	605-50-5	mg/kg	50	ND
n-pentyl Isopentyl Phthalate(nPIPP)	776297-69-9	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid, di-C6-8-branched alkyl esters, C7-rich(DIHP)	71888-89-6	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid, Di-C7-11-Branched and Linear Alkyl Esters(DHNUP)	68515-42-4	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid, Dipentyl Ester, Branched and Linear(DPP)	84777-06-0	mg/kg	50	ND
1,2-benzenedicarboxylic Acid, dihexyl ester branched and linear(DHxP)	68515-50-4	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid, di-C6-10-Alkyl Esters, 1,2-Benzenedicarboxylic Acid, Mixed Decyl and Hexyl and Octyl Diesters with ≥ 0.3% of Dihexyl Phthalate	68515-51-5 /68648-93-1	mg/kg	100	ND
Di(2-propylheptyl)Phthalate(DPHpP)	53306-54-0	mg/kg	50	ND



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Guangzhou Branch, Guangzhou, China

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Test Report

No.: CANEC25029129707

Date: Dec 03, 2025

Page 3 of 9

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride (MHHPA)	-	mg/kg	50	ND

Notes:

(1) Except for DIBP, DBP, BBP, DEHP, DNOP, DINP, DIDP, other substance(s) is/are not accredited by CNAS.

Halogen

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

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	ND
Chlorine(Cl)	mg/kg	50	105
Bromine(Br)	mg/kg	50	ND
Iodine(I)	mg/kg	50	ND

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Benzo(b)Fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)Fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Dibenzo(a,h)Anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Acenaphthylene(ANY)	208-96-8	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Sum of 18 PAHs	-	mg/kg	-	ND



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Notes:

Client requirements

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children ^{a,b} up to 3 years of age.	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact ^c with skin during the intended or foreseeable use ^d .		Materials covered neither by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use.	
		a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum of 7 PAHs (Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 18 PAHs	<1	< 5	< 10	< 20	< 50



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Note:

- ^a A "Child" is legally defined as a person before reaching the age of 14 years.
- ^b Use by children includes both active and passive contact by children.
- ^c Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)
- ^d According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark:

The classification of material categories is refer to AfPS GS 2019:01 PAK issued on 10 April, 2020. The Acenaphthylene (ANY), Acenaphthene (ANA) and Fluorene (FLU) are not in the scope of AfPS 2019:1 PAK which is additionally in scope of AfPS GS 2014:01 PAK and recommended in connection with §30 LFGB product safety requirements.

Remark: Results & photo(s) of this report refer to test report CANEC25029129705.
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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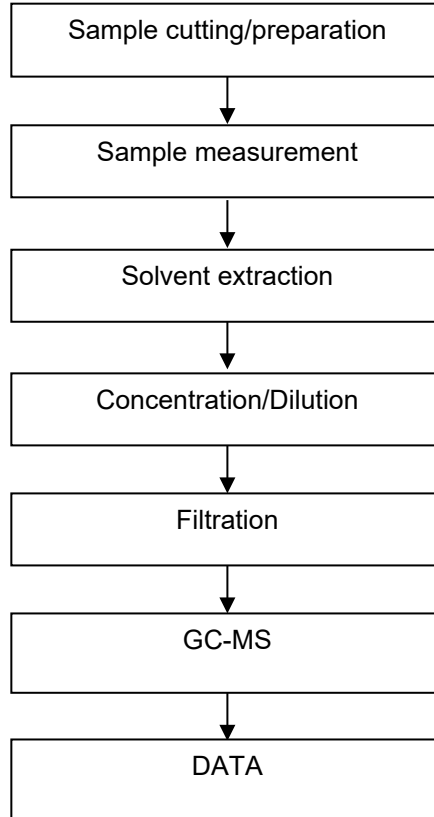
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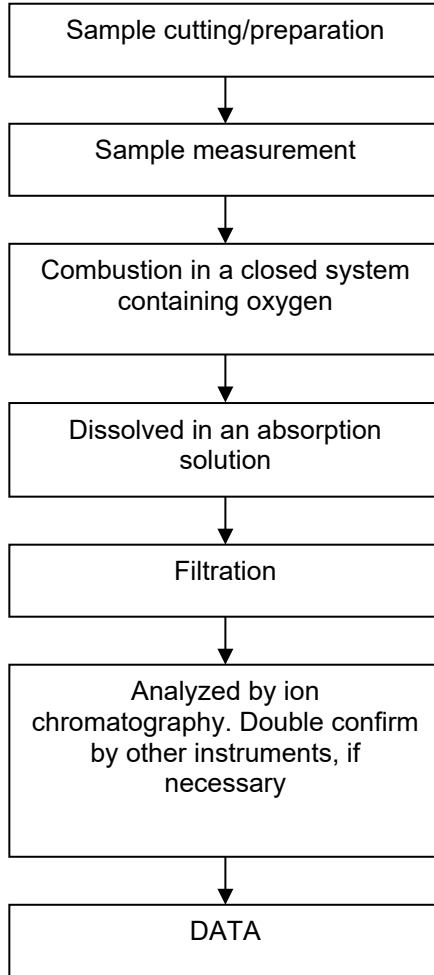


Phthalates Testing Flow Chart

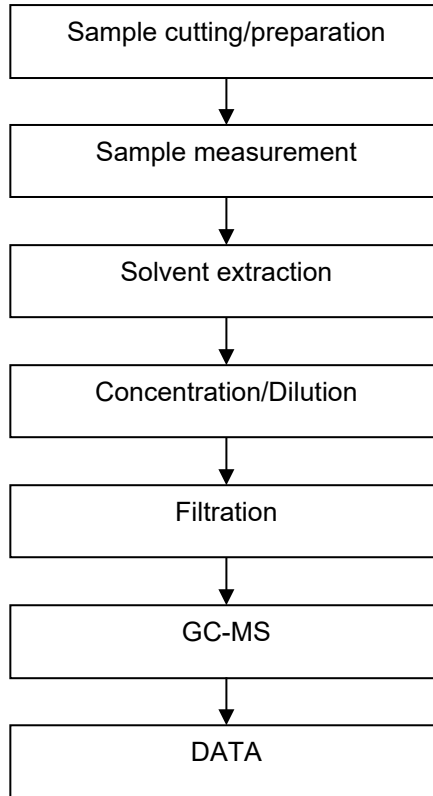


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Halogen Testing Flow Chart



PAHs Testing Flow Chart



Test Report

No.: CANEC25029129707

Date: Dec 03, 2025

Page 9 of 9

Sample Photo:



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