

Test Report	No.:	CANEC24012711902	Date:	Jun 21, 20	D24 Page 1 of 9	
Client Name:	Client Name: JIANGSU CHANGJING ELECTRONICS TECHNOLOGY CO.,LT					
Client Address:		C BLOCK,TENGFEI BUI SSU) PILOT FREE TRAD		IUANG YU	AN,NANJING AREA OF	
Sample Name:	S	emiconductor device				
Model No.:	S	MAG				
Client Ref. Infor	mation: s	see attachment				
The above sam	ef. Information: see attachment ove sample(s) and information were provided by the client.					
SGS Job No.:	G	ZP24-019588				
Reference No.:	S	HP24-018981				
Sample Receivi	ng Date: J	un 13, 2024				
Testing Period:	J	un 13, 2024 ~ Jun 20, 20	24			
Test Requested	: S	elect test(s) as requested	d by the client.			
Test Method(s):	P	lease refer to next page(s).			
Test Result(s):	Р	lease refer to next page(s).			
Test Requirem	nent				Conclusion	
EU RoHS Dire	ctive (EU) 2015	5/863 amending Annex II	to Directive 201	1/65/EU		

Test RequirementConclusionEU 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 Diisobutylphthalate (DIBP)

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 Report

No.: CANEC24012711902

Date: Jun 21, 2024

Page 2 of 9

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0127119-0001.C001	Black body with 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, 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	A1
Lead (Pb)	1000	mg/kg	2	10067▲
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)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	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
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND



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Test Report No.	o.: CANEC240	012711902	Date: Ju	n 21, 2024	Page 3 of 9
Test Item(s)		Limit	Unit(s)	MDL	A1
Octabrominated diphenyl e (OctaBDE)	ether	-	mg/kg	5	ND
Nonabrominated diphenyl (NonaBDE)	ether	-	mg/kg	5	ND
Decabrominated diphenyl (DecaBDE)	ether	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate	e (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BB	P)	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.

Remark1: ▲ According to the declaration from the client, Lead (Pb) in specimen is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(a)|: Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

▲ According to the declaration from the client, Lead (Pb) in specimen is exempted by EU RoHS directive 2011/65/EU based on |ANNEX III 7(c)-I|: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

More information about exemption can be found via the following link:

https://rohs.sgsonline.com.cn/PDFLinks/en/RSTS-TP-037%20RoHS%20Exemption%20%28EN%29.pdf Remark2: Results & photo(s) of this report refer to test report CANEC24012711901.

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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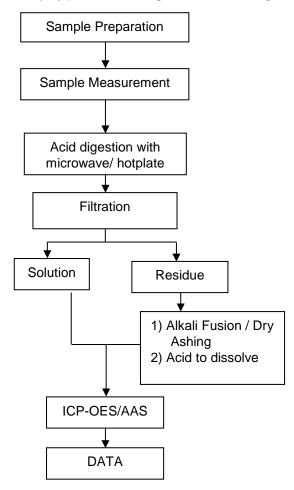
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No.: CANEC24012711902

Elements Testing Flow Chart

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





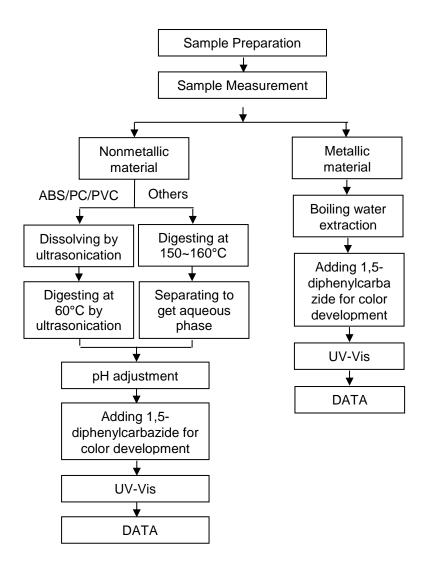
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





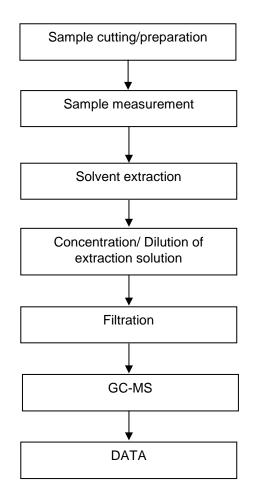
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PBB/PBDE Testing Flow Chart





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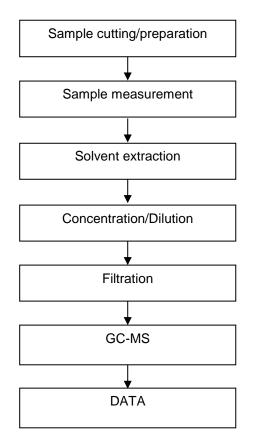
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Phthalates Testing Flow Chart





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