

Test Report

No.: SHAEC25013262607

Date: Jun 10, 2025

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Client Name: Jiangsu JieJie Microelectronics Co.,Ltd.

Client Address: 3000 Qiantangjiang Road, Economic Development Zone, Qidong , Jiangsu , China

Sample Name: TO-220A

Material No.: 11201508000035

Client Ref. Information: See Attachment

Buyer: Midea

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

SGS Job No.: SHP25-018049

Sample Receiving Date: Jun 04, 2025

Testing Period: Jun 04, 2025 ~ Jun 10, 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
Polychlorinated Terphenyls (PCTs)	Pass
Total Fluorine Screening for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Content	Pass
Flame retardant(s)	Pass
Entry 6 of Regulation (EU) 2016/1005 amending Annex XVII of REACH Regulation (EC) No 1907/2006 -Asbestos	Pass
Entry 20 of Regulation (EC) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organostannic compounds	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Sue Sheng

Sue Sheng

Approved Signatory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	SHA25-0132626-0001.C002	Black solid

Remarks:

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

Polychlorinated Terphenyls (PCTs)

Test Method: With reference to US EPA 3550C:2007, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2
Aroclor 5432	Prohibited	mg/kg	5	ND
Aroclor 5442	Prohibited	mg/kg	5	ND
Aroclor 5460	Prohibited	mg/kg	5	ND
Conclusion	Pass			

Notes:

- (1) The maximum permissible limit is quoted from the client requirement.

Total Fluorine Screening for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Content

Test Method: With reference to IEC 62321-3-2:2020.

Test Item(s)	Limit	Unit(s)	MDL	A2
PFAS (expressed as Fluorine)	20	mg/kg	20	ND
Conclusion	Pass			

Notes:

- (1) The maximum permissible limit is quoted from the client requirement.
- (2) The result may include inorganic and / or organic fluorine content. There is a possibility that the total fluorine content does not come from PFAS. Retesting on individual PFAS is recommended to determine the compliance to the requirement.

Flame retardant(s)

Test Method: With reference to in house method, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A2
Tris(1,3-dichloro-2-propyl)phosphate (TDCPP/TDCP)	13674-87-8	1000	mg/kg	5	ND
Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	1000	mg/kg	5	ND
Tris(1-chloro-2-propyl)phosphate (TCPP)	13674-84-5	1000	mg/kg	10	ND
Conclusion	Pass				



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Notes:

(1) The maximum permissible limit is quoted from the client requirement.

Entry 6 of Regulation (EU) 2016/1005 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Asbestos

Test Method: With reference to NIOSH 9000:2015 and ISO 22262-1:2012, analysis was performed by XRD/PLM.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A2
Actinolite	77536-66-4	Prohibited	%(m/m)	0.1	Negative
Amosite	12172-73-5	Prohibited	%(m/m)	0.1	Negative
Anthophyllite	77536-67-5	Prohibited	%(m/m)	0.1	Negative
Chrysotile	12001-29-5 /132207-32-0	Prohibited	%(m/m)	0.1	Negative
Crocidolite	12001-28-4	Prohibited	%(m/m)	0.1	Negative
Tremolite	77536-68-6	Prohibited	%(m/m)	0.1	Negative
Conclusion					Pass

Notes:

(1) Negative = the absence of asbestos, Positive = the presence of asbestos.

Entry 20 of Regulation (EC) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organostannic compounds

Test Method: With reference to ISO 17353:2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2
Tributyltin(TBT) by Weight of Tin	-	%	0.01	ND
Triphenyltin(TPhT) by Weight of Tin	-	%	0.01	ND
Tricyclohexyltin(TCyT) by Weight of Tin	-	%	0.01	ND
Trioctyltin(TOT) by Weight of Tin	-	%	0.01	ND
Tripropyltin (TPT) by weight of Tin	-	%	0.01	ND
Trimethyltin(TMT) by Weight of Tin	-	%	0.01	ND
Σ of Tri substituted organotin compounds by Weight of Tin	0.1	%	-	ND
Dibutyltin(DBT) by Weight of Tin	0.1	%	0.01	ND
Diocetyltn(DOT) by Weight of Tin	0.1	%	0.01	ND
Conclusion				Pass

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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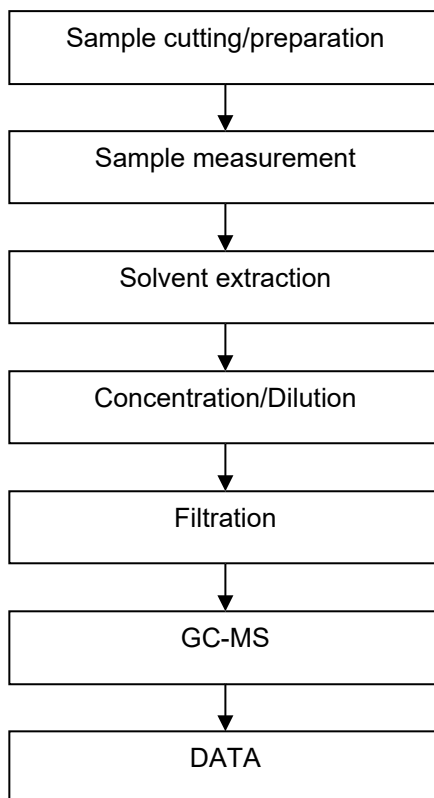
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PCT Testing Flow Chart



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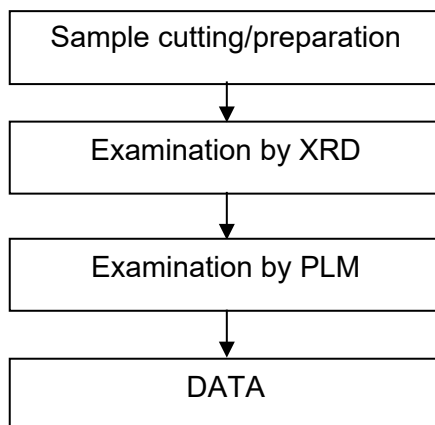
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Asbestos Testing Flow Chart



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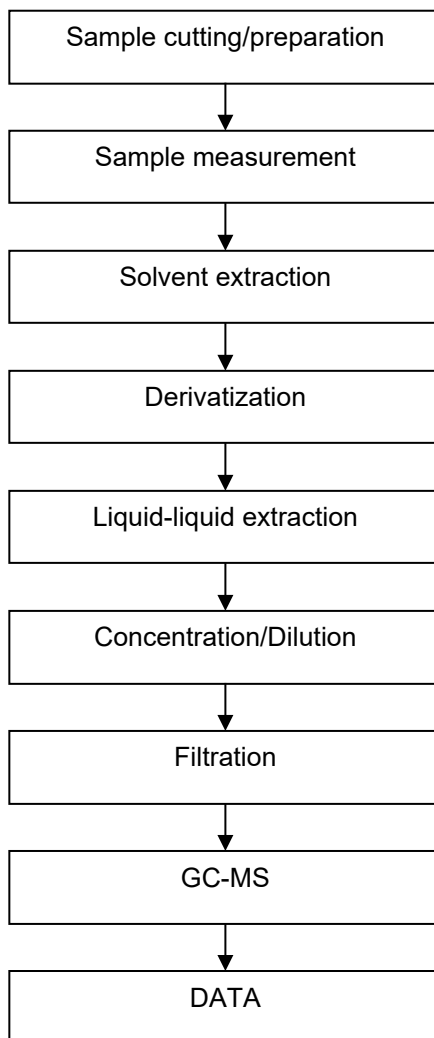
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Organotin Testing Flow Chart



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402、603、2510、62mm、ABS、DBS、DFN0603-2L、DFN1006-2L、DFN1006-3L、DFN10x15-5L、DFN10x15-5L-XX、DFN1610-2L、DFN1610-6L、DFN2010-5L、DFN2010-8L、DFN2020-2L、DFN2020-3L、DFN2020-6L、DFN2020-6L-XX、DFN2020-8L、DFN2510-10L、DFN2626-10L、DFN2x2-3L、DFN2x2-6L、DFN2x2-6L-D、DFN2x2-6L-XX、DFN3.0x3.0-8L、DFN3.0x3.0-8L-SD (Type、B)、DFN3.3x3.3-8L-XX、DFN3.0x3.0-8L-XX、DFN3.3x3.3-8L、DFN3.3x3.3-8L (Type、B)、DFN3.3x3.3-8L-XX、DFN3020-10L、DFN3030-8L、DFN3030-8L-XX、DFN3030-12L、DFN3333-2L、DFN3333-8L、DFN3810-9L、DFN3x3-8L-XX、DFN4120-10L、DFN5060-8L、DFN5060-8L-XX、DFN5515-18L、DFN5x6-8L、DFN5x6-8L(Dual)、DFN5x6-8L-XX、DFN8080-2L、DFN8080-4L、DFN8x8-2L、DFN8x8-4L、DFN8x8-4L-XX、DIP-4、DIP-5、DO-15、DO-218AB、DO-27、DO-41、DriveJM-34、DriveJM-62、DriveJM-DC、DriveJM-E1、DriveJM-E2、DriveJM-EC、DriveJM-ED、DriveJM-H1、DriveJM-H2、EasyPack1B、EconoDual、ESOP-8、F3、FBP-02C-A、GBJ、GBL、GBU、IGBT-34mm、ITO-247、ITO-247-XX、KBL、KBP、LSOP-4、MBF、MBS、P6、PDFN3.3x3.3-8L、PDFN3.3x3.3-8L-XX、PDFN3x3-8L、PDFN3x3-8L-XX、PDFN5x6-8L、PDFN5x6-8L-XX、PowerJE10x12、PowerJE5x6、PowerJE7x8、PowerJE8x8、PPTC、R6、SGBJ、SGD0201、SGD0402、SMA、SMAF、SMB、SMBF、SMC、SMC-3、SMD-3225、SMD-4032、SMD-5、SMT、SMT-4、SMTF、SMTJ、SMT0-218Tab、SOD-123、SOD-123FL、SOD-123FLT、SOD-323、SOD-323F、SOD-323FL、SOD-523、SOD-723、SOD-923、SOP-10、SOP-16、SOP-4、SOP-5、SOP-7、SOP-8、SOT-143、SOT-143-XX、SOT-223、SOT-223-XX、SOT-227、SOT-227-XX、SOT-23、SOT-23-XX、SOT-323、SOT-323-XX、SOT-353、SOT-353-XX、SOT-363、SOT-363-XX、SOT-523、SOT-523-XX、SOT-563、SOT-563-XX、SOT-723、SOT-723-XX、SOT-82、SOT-89、SOT-89R-XX、SOT-89-XX、SSOP-16、SSOP-4、STOLL7x8-5L、T2B、TO-126、TO-202、TO-202-XX、TO-220A、TO-220A-2D-XX、TO-220AB、TO-220A-XX、TO-220B、TO-220B-XX、TO-220C、TO-220C-XX、TO-220F、TO-220FA、TO-220FA-XX、TO-220FP、TO-220FP-XX、TO-220HF、TO-220H-XX、TO-220MF-3L、TO-220-XX、TO-247、TO-247-XX、TO-247i-XX、TO-247iL-XX、TO-247iPS-XX、TO-247J、TO-247J-XX、TO-247plus、TO-247S、TO-247S-XX、TO-251、TO-251L-XX、TO-251S、TO-251-XX、TO-252、TO-252-XX、TO-262、TO-262-XX、TO-263、TO-263-XX、TO-277B、TO-3P、TO-3P-3L、TO-3PF-3L、TO-3PN-3L、TO-92、TO-92CR、TO-92KR、TO-92KRF、TO-92UR、TO-92-XX、TOLL9.9x10.38-8L、TSSOP-8、TSSOP-8、WSOP-6



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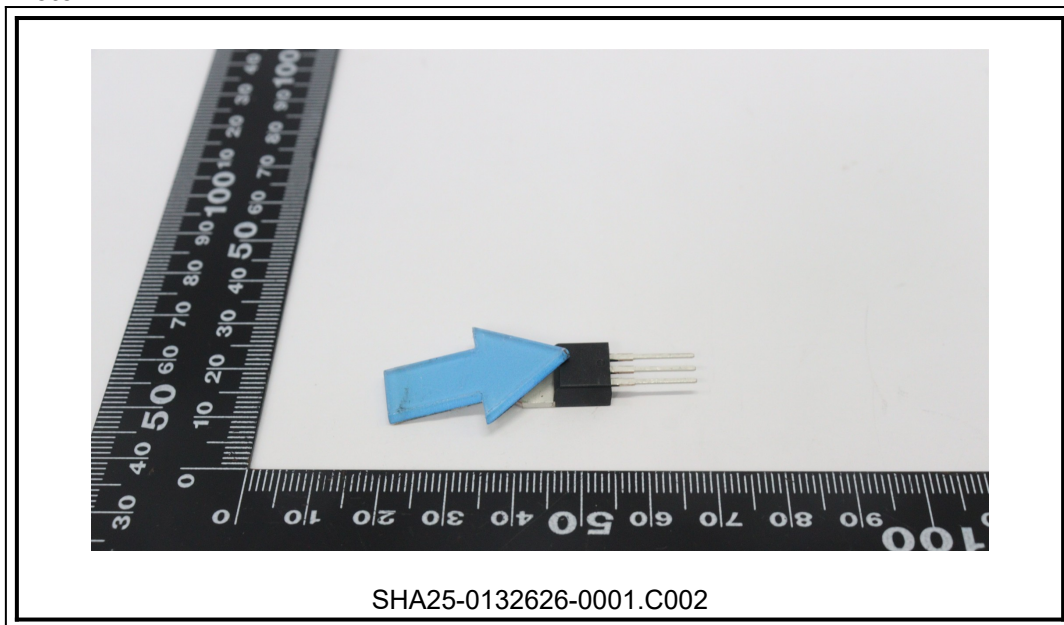
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