

Test Report

No.: NGBEC24007459002_1

Date: Dec 30, 2024

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Client Name: Silergy Corp.

Client Address: Oleander Way, 802 West Bay Road, P.O. Box 32052, Grand Cayman KY1-1208, Cayman Islands

Sample Name: Surface Mounted Electric Component

Model No.: SOP8E

Client Ref. Information: AQFN/BGA/COF/COMBO/CPC/CSP/DFN/DIP/D-SMD/HDIP/GEM/LQFP/LGA/MDFN/MLGA/MQFN/MSOP/ODFN/QFN/PDFN/P-DIP/PLCC/SMB/SMC/SMD/SOD/SOP/SOT/SSOP/TO92/TO220/TO220F/TO252/TO263/TQFP/TSOP/TSSOP/TSOT/2ΦRadial-2L/3ΦRadial-2L/5ΦRadial-2L
See attachment

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

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.NGBEC24007459002, DATE: Dec 24, 2024.

SGS Job No.: NBP24-007602

Sample Receiving Date: Dec 17, 2024

Testing Period: Dec 17, 2024 ~ Dec 24, 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).

Test Requirement	Conclusion
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)	Pass

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

May Zhang

May Zhang
Approved Signatory

scan to see the report



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	NGB24-0074590-0001.C001	Black body with silvery pin

Remarks:

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

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)

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

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Decabromodiphenyl ether (DecaBDE) ^{Δ1}	1163-19-5	Prohibited	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1) ^{Δ2}	68937-41-7	Prohibited	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) ^{Δ3}	732-26-3	3000	mg/kg	5	ND
Hexachlorobutadiene (HCBd)	87-68-3	Prohibited	mg/kg	5	ND
Pentachlorothiophenol (PCTP)	133-49-3	10000	mg/kg	5	ND
Conclusion					Pass

Notes:

- (1) The regulation is available at the following link.
<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under>
- (2) ^{Δ1}: The submitted sample is exempted if it is plastic for recycling from products or articles containing Deca-BDE.
- (3) ^{Δ2}: The submitted sample is exempted from the regulated scope if it is anyone of the following:
 - Hydraulic fluids for aviation or military industry;
 - Lubricants and grease;
 - New and replacement parts for motor and aerospace vehicles;
 - Intermediate in a closed system to produce cyanoacrylate adhesive;
 - Specialized engine air filters for locomotive and marine applications;
 - Plastic for recycling from products or articles containing PIP (3:1);
 - Finished products or articles made of plastic recycled from products or articles containing PIP (3:1).
- (4) ^{Δ3}: The submitted sample is out of the regulated scope if it is not oil or lubricant.

This report updated Client Ref. Information.

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.

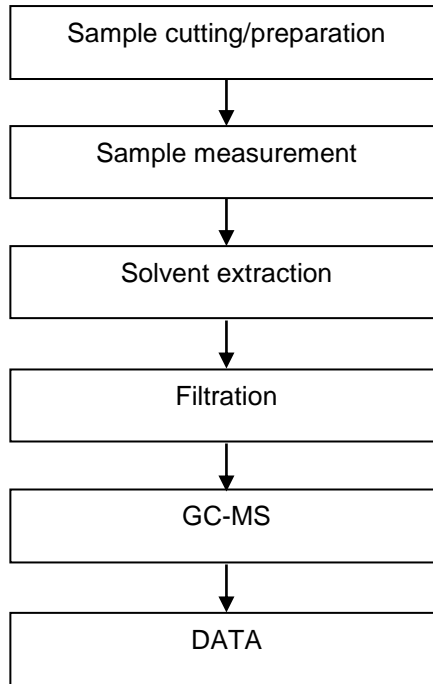


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ATTACHMENTS

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart



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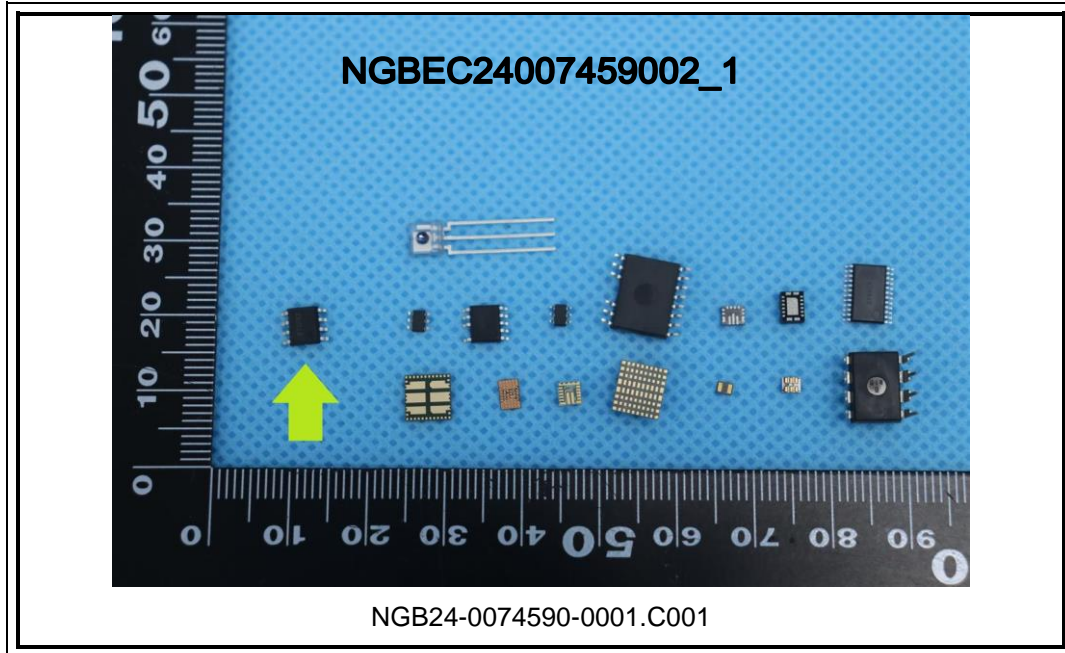
Attachment:

AQFN6x6 BGA2.3*5.8 BGA3.35*3.1 BGA3.5x4.5 BGA5.55*9.00 BGA17*17 BGA21*21 COF48-465
 COMBO3.94x2.36x1.35 COMBO4.94x3.36x2.35 CPC5 CPC8
 CSP0.76x0.76 CSP0.78x0.78 CSP0.79x0.79 CSP0.9x0.9 CSP1.23*0.87 CSP1.29*1.25 CSP1.31*1.31
 CSP1.32x1.86 CSP1.338*0.838 CSP1.35*2.15 CSP1.39*1.68 CSP1.41*1.70 CSP1.43x0.89 CSP1.5x1
 CSP1.50x1.64 CSP1.54x0.90 CSP1.55*2.55 CSP1.56x1.96 CSP1.6x0.9 CSP1.6*2 CSP1.62x2.36
 CSP1.65x0.85 CSP1.65x1.25 CSP1.655*1.802 CSP1.66x1.61 CSP1.73x1.73 CSP1.79x1.46
 CSP1.79x1.57 CSP1.79*2.01 CSP1.8*1.8
 CSP1.8*2.2 CSP1.85*2.05 CSP1.92x1.92 CSP1.93x2.05 CSP2.0x1.8 CSP2*2 CSP2.0x2.5
 CSP2.03*2.51 CSP2.1x1.65 CSP2.2x2.565 CSP2.23x1.73 CSP2.35x2.75 CSP2.38x2.70 CSP2.4x2.4
 CSP2.42x2.82 CSP2.43x1.77 CSP2.44*2.44 CSP2.53x2.53 CSP2.55*2.49 CSP2.57x3.71 CSP2.6*2.6
 CSP2.60x2.68 CSP2.605*2.605 CSP2.615*2.615 CSP2.64x1.48 CSP2.64x3.94 CSP2.66x3.89
 CSP2.67x1.51 CSP2.67*2.67 CSP2.68*2.68 CSP2.8x2.4 CSP2.8x2.8 CSP2.93x2.73
 CSP2.94x2.51 CSP2.94x3.32 CSP3x2.6 CSP3.0x3.2 CSP3.03x3.34 CSP3.08*3.30 CSP3.15*2.75
 CSP3.15x3.5 CSP3.15*3.11 CSP3.16x4.16 CSP3.2*2.8 CSP3.21*2.81 CSP3.215*4.415
 CSP3.23x3.23 CSP3.3*3.3 CSP3.35*3.1 CSP3.35x3.5 CSP3.52x1.66 CSP3.55*3.50 CSP3.6x9.05
 CSP3.63x3.63 CSP3.65x3.2 CSP3.65*3.65 CSP4.03x4.66 CSP4.06x4.47 CSP4.12x4.49
 CSP4.13x4.13 CSP4.2x4.2 CSP4.21x4.21 CSP4.55*4.10 CSP4.82x3.62 CSP4.97x4.45 CSP5x5
 CSP6x6 CSP6x9 CSP6.07x2.52 CSP10x9
 DFN0.4x0.2 DFN0.6x0.3 DFN1.0x0.6 DFN1*1 DFN1.1x0.85 DFN1.1x0.9 DFN1.2x1.2 DFN1.2x1.6
 DFN1.25x1 DFN1.3x0.8 DFN1.3x0.9 DFN1.4*1.8 DFN1.45x1.0 DFN1.5x0.9 DFN1.5x1 DFN1.5x1.5
 DFN1.6x1.0 DFN1.6x1.2 DFN1.7*1.35 DFN1.8*1.4 DFN2x1 DFN2x1.5 DFN2x2 DFN2x3 DFN2.1*1.8
 DFN2.5x1.0 DFN2.5*1.35 DFN2.5x1.5 DFN2.5x2 DFN2.5x2.5 DFN2.5x3 DFN2.5x4 DFN3x1.5
 DFN3x2 DFN3x3 DFN3.3x1.35 DFN3.3x3.3 DFN3.8x1.0 DFN4x2.5 DFN4x3 DFN4x4 DFN4x4.5
 DFN4x5 DFN4.1x2.0 DFN5x5 DFN5x6 DFN5.5x1.5 DFN6.5*7.0 DFN7x7 DFN7x10 DFN8*8
 DIP7 DIP8 DIP16 DIP18 DIP-4646 D-SMD D-SMD2520 HDIP12 GEM2021
 GEM2928 LGA2.5x2.5 LGA3*6 LGA3.8x5.4 LGA4*6 LGA5x6 LGA5.5x6.5 LGA6*6 LGA12*8
 LQFP7x7 LQFP10x10 LQFP12x12 LQFP14x14 LQFP20x20 LQFP24x24
 MDFN1.9*1.75 MDFN2x2 MDFN2.5x2 MLGA5*5 MLGA6*6 MLGA6.7*6.2 MLGA7*7 MLGA7.1*7.1
 MLGA7.1*8 MLGA7 *8 MLGA9.2*5.5 MLGA11*9 MLGA12*7.25 MQFN2*2.5 MQFN2x3
 MQFN2.1*3 MQFN2.35*2.9 MQFN2.5*2.5 MQFN2.5x3 MQFN2.6*2.55 MQFN2.8x3 MQFN3x3
 MQFN3x4 MQFN3*5 MQFN3*6 MQFN3.2*4.2 MQFN4x5.6 MQFN5x5 MQFN5x6 MQFN5*7.7
 MQFN5*7.7 MQFN5.5*4 MQFN5.5*9.2 MQFN7x7 MQFN7.1x8 MQFN11.3x7.5 MSOP8 MSOP8E
 MSOP10 ODFN2*2*0.7 QFN1.4x1.8 QFN1.5x1.5 QFN1.5x2 QFN1.6x1.6 QFN2x1.5 QFN2x2
 QFN2x2.5 QFN2x3 QFN2.5x2.5 QFN2.5x3 QFN3x3 QFN3*3.5 QFN3x4 QFN3*4.5 QFN3x5 QFN3*6
 QFN3.3*4.8 QFN3.4*5.68 QFN3.5x3.5 QFN3.5x4 QFN3.5x4.5 QFN4x3 QFN4x4 QFN4x5 QFN4x6
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 QFN5x11 QFN5.5x4 QFN6x5 QFN6x6 QFN7x7 QFN7.5*7.5 QFN7x8 QFN8x7 QFN8x8 QFN8x9
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 SMB SMC SMP7 SMD0805 SMD1206 SMD1417 SMD2010 SMD2014 SMD2015 SMD2020
 SMD2024 SMD2420 SMD2515 SMD2814 SMD3120 SMD3313 SMD3317 SMD3535 SMD4222
 SOD123 SOD323 SOD523 SOD123FL SOP4 SOP7 SOP8 SOP14 SOP16 SOP20 SOP24 SOP8E
 SOP16E SOP14W SOP16W SOT23 SOT33 SOT89 SOT143 SOT223 SOT235 SOT236 SOT323
 SOT335 SOT336 SOT363 SOT523 SOT563 SOT583 SSOP9 SSOP9E SSOP10 SSOP10E
 SSOP14E SSOP16 SSOP16E SSOP20 SSOP24 SSOP28 SSOP32 SSOP32W SSOP18E
 SSOP24E
 TO92 TO220 TO252 TO263 TO220F TQFP7x7 TQFP10x10 TSOP14E TSSOP8 TSSOP14
 TSSOP14E TSSOP16 TSSOP16E TSSOP20E TSSOP24 SSOP24E TSSOP28 TSSOP28E TSSOP30
 TSSOP32E TSSOP38 TSSOP38E TSOT23
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