

Test Report

No.: SHAEC23021346802_1

Date: Jan 05, 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.: DFN4x4

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/TO25 2/TO263/TQFP/TSOP/TSSOP/ TSOT See attachment

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

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAEC23021346802, DATE: Jan 03, 2024.

SGS Job No.: SHP23-022732

Sample Receiving Date: Dec 18, 2023

Testing Period: Dec 18, 2023 ~ Jan 03, 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 (Shanghai) Co., Ltd.

Dora Hu
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	SHA23-0213468-0001.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 any one 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 updates 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.



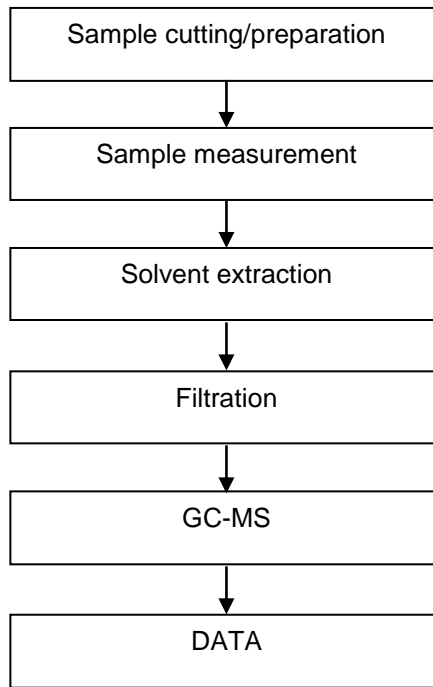
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ATTACHMENTS

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



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AQFN6x6 BGA3.5x4.5 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 CSP1.56x1.96 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 CSP1.92x1.92 CSP1.93x2.05 CSP2.0x1.8 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 CSP3.16x4.16 CSP3.2*2.8 CSP3.21*2.81 CSP3.23x3.23 CSP3.3*3.3
 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 CSP4.82x3.62 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
 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 LQFP7x7 LQFP10x10 LQFP12x12 LQFP14x14
 LQFP20x20 LQFP24x24
 MDFN1.9*1.7 MDFN2x2 MDFN2.5x2 MLGA5*5 MLGA6*6 MLGA6*6 MLGA6.7*6.2 MLGA7.1*7.1 MLGA7.1*8 MLGA7 *8 MLGA9.2*5.5
 MLGA11*9 MQFN2x3 MQFN2.1*3 MQFN2.5*2.5 MQFN2.5x3 MQFN2.8x3 MQFN3x3 MQFN3x4 MQFN3*5 MQFN3.2*4.2 MQFN4x5.6
 MQFN5x5 MQFN5x6 MQFN5*7.7 MQFN5*7.7 MQFN5.5*9.2 MQFN7x7 MQFN7.1x8 MQFN11.3x7.5 MSOP8 MSOP8E MSOP10
 QDFN2*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 QFN3x5 QFN3.3*4.8 QFN3.4*5.68 QFN3.5x3.5 QFN3.5x4 QFN3.5x4.5 QFN4x3 QFN4x4 QFN4x5
 QFN4x6 QFN4x6.5 QFN4.4x4 QFN4.5x5 QFN5x5 QFN5x6 QFN5x7 QFN5x7.5 QFN5x8 QFN5x11 QFN5.5x4 QFN6x5 QFN6x6
 QFN7x7 QFN7x8 QFN8x7 QFN8x8 QFN8x9 QFN8x12 QFN9x8 QFN9x9 QFN10x10 QFN12x8
 PDFN5*6 P-DIP6 PLCC-3528 SL-SMD3013 SMB SMC SMP7 SMD0805 SMD1206 SMD1417 SMD2010 SMD2014 SMD2015
 SMD2024 SMD2420 SMD2515 SMD2814 SMD3120 SMD3313 SMD3535 SMD4222 SOD123 SOD323 SOD523 SOD123FL SOP4
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 SOT236 SOT323 SOT335 SOT336 SOT363 SOT523 SOT563 SOT583 SSOP9 SSOP10 SSOP16 SSOP20 SSOP24 SSOP28
 SSOP32 SSOP9E SSOP14E SSOP18E SSOP24E
 TO92 TO220 TO252 TO263 TO220F TQFP7x7 TQFP10x10 TSOP14E TSSOP8 TSSOP14 TSSOP16 TSSOP24 TSSOP28
 TSSOP30 TSSOP38 TSSOP14E TSSOP16E TSSOP20E TSSOP24E TSSOP28E TSOT23
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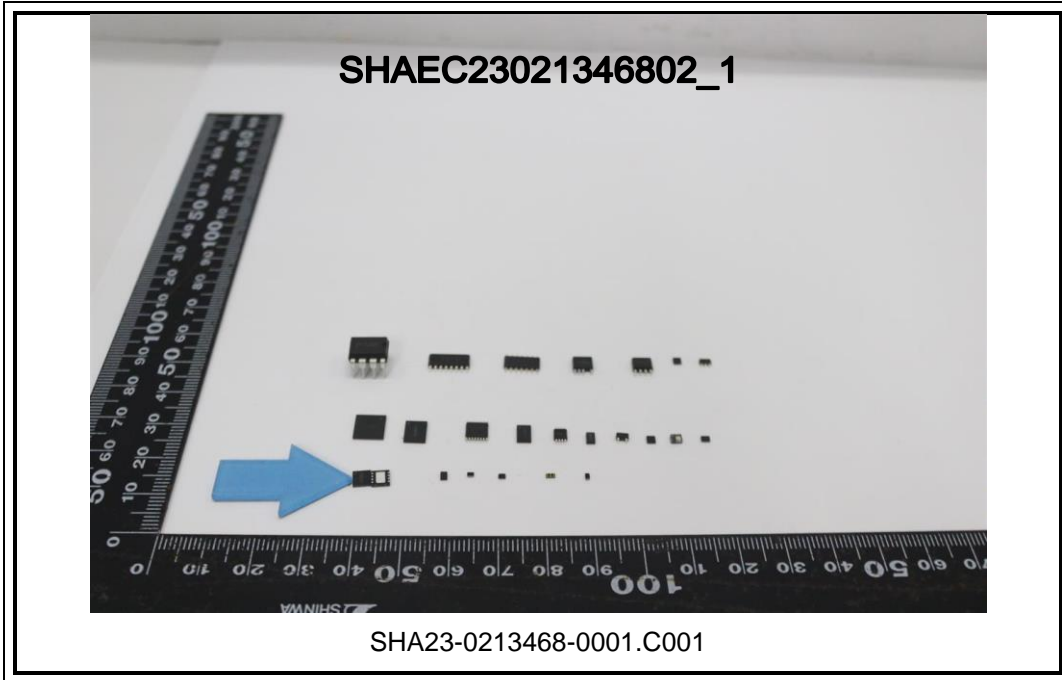
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