

Test Report

No.: SZXEC25000022201

Date: Jan 08, 2025

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Client Name: WUXI QIANYE MICRO-NANO TECHNOLOGY COMPANY LIMITED

Client Address: 615, 6 / F, BUILDING A3, 777 JIANZHU WEST ROAD, BINHU DISTRICT, WUXI CIT

Sample Name: Metal-Oxide-Semiconductor Field-Effect Transistor, MOSFET

Model No.: DFN5*6

Client Ref. Information: DFN5*6-DUAL

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

SGS Job No.: SZP25-000344

Sample Receiving Date: Jan 03, 2025

Testing Period: Jan 03, 2025 ~ Jan 08, 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 |
|---|-------------|
| 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) | See Results |

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

Ford

Ford Shi

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 | SZX25-0000222-0001.C001 | "Metal-Oxide-Semiconductor Field-Effect Transistor, MOSFET"(mixed) |

Remarks:

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

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 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

| Test Item(s) | Unit(s) | MDL | A1 |
|---|---------|-----|-------|
| Lead (Pb) | mg/kg | 2 | 38227 |
| Mercury (Hg) | mg/kg | 2 | ND |
| Cadmium (Cd) | mg/kg | 2 | ND |
| Hexavalent Chromium (Cr(VI)) | mg/kg | 8 | ND |
| Polybrominated biphenyls (PBB) | mg/kg | - | ND |
| Monobrominated biphenyl (MonoBB) | mg/kg | 25 | ND |
| Dibrominated biphenyl (DiBB) | mg/kg | 25 | ND |
| Tribrominated biphenyl (TriBB) | mg/kg | 25 | ND |
| Tetrabrominated biphenyl (TetraBB) | mg/kg | 25 | ND |
| Pentabrominated biphenyl (PentaBB) | mg/kg | 25 | ND |
| Hexabrominated biphenyl (HexaBB) | mg/kg | 25 | ND |
| Heptabrominated biphenyl (HeptaBB) | mg/kg | 25 | ND |
| Octabrominated biphenyl (OctaBB) | mg/kg | 25 | ND |
| Nonabrominated biphenyl (NonaBB) | mg/kg | 25 | ND |
| Decabrominated biphenyl (DecaBB) | mg/kg | 25 | ND |
| Polybrominated diphenyl ethers (PBDE) | mg/kg | - | ND |
| Monobrominated diphenyl ether (MonoBDE) | mg/kg | 25 | ND |
| Dibrominated diphenyl ether (DiBDE) | mg/kg | 25 | ND |
| Tribrominated diphenyl ether (TriBDE) | mg/kg | 25 | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | mg/kg | 25 | ND |
| Pentabrominated diphenyl ether (PentaBDE) | mg/kg | 25 | ND |
| Hexabrominated diphenyl ether (HexaBDE) | mg/kg | 25 | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | mg/kg | 25 | ND |



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| Test Item(s) | Unit(s) | MDL | A1 |
|---|---------|-----|----|
| Octabrominated diphenyl ether (OctaBDE) | mg/kg | 25 | ND |
| Nonabrominated diphenyl ether (NonaBDE) | mg/kg | 25 | ND |
| Decabrominated diphenyl ether (DecaBDE) | mg/kg | 25 | ND |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | mg/kg | 50 | ND |
| Benzyl Butyl Phthalate (BBP) | mg/kg | 50 | ND |
| Dibutyl Phthalate (DBP) | mg/kg | 50 | ND |
| Diisobutyl Phthalate (DIBP) | mg/kg | 50 | ND |

Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

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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Elements Testing Flow Chart

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



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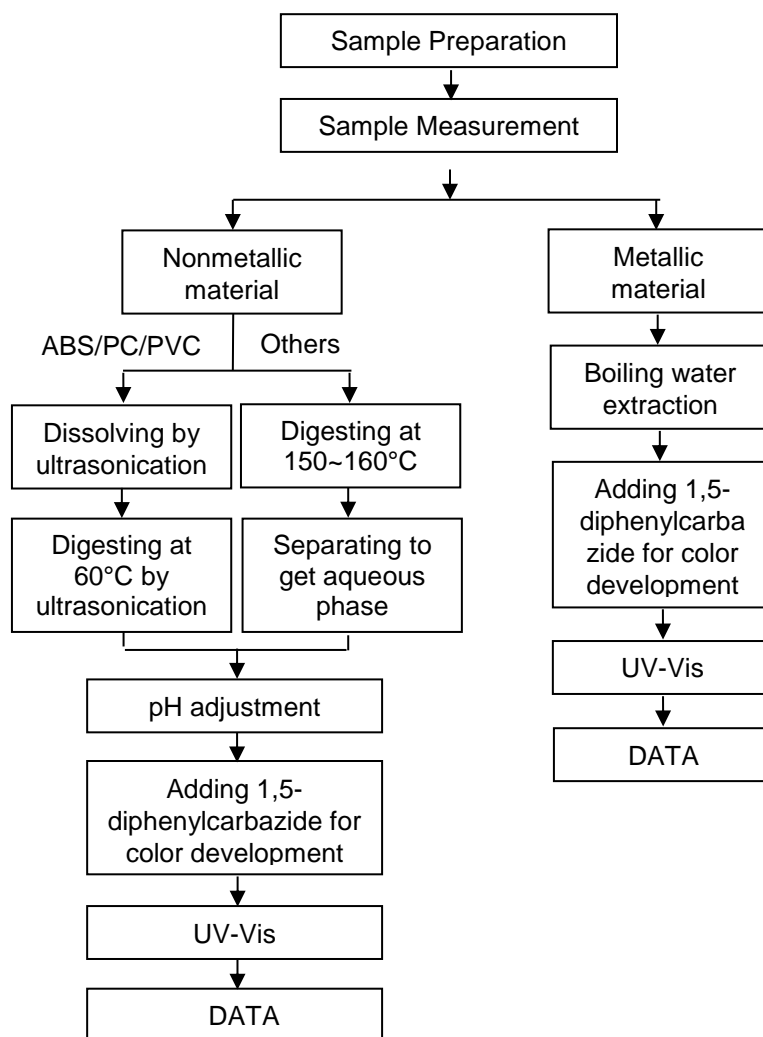
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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PBB/PBDE/Phthalates Testing Flow Chart



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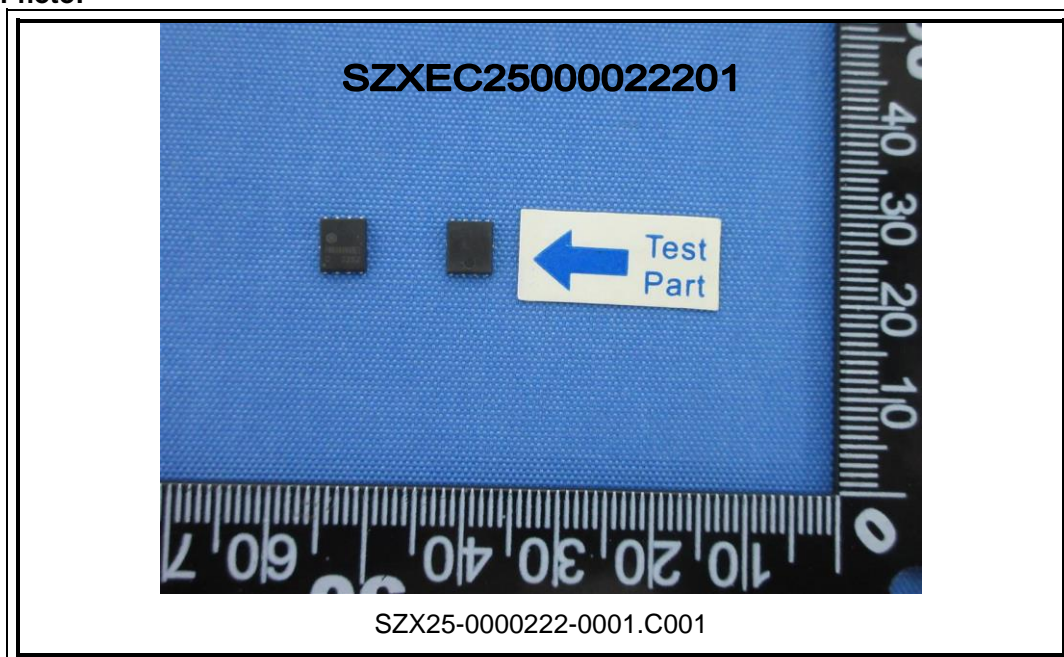
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Sample Photo:



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