

**Test Report** No.: SZXEC25000839509 **Date**: Mar 24, 2025 Page 1 of 9

Client Name: GUANGDONG NIUHANG ELECTRONIC TECHNOLOGY CO., LTD

Client Address: 3RD FLOOR, BUILDING 1, NO.3 DAYUAN ROAD, ZHANGCUN, DONGCHENG STREET,

DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: SemiconductorComponents

Model No.: SOD-323

Client Ref. Information: Please see attachment

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

SGS Job No.: SZP25-012274

Sample Receiving Date: Mar 18, 2025

Testing Period: Mar 18, 2025 ~ Mar 24, 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
US California Proposition 65 - Bisphenol-A	Pass
US California Proposition 65 - Lead	Pass
US California Proposition 65 - Cadmium	Pass
US California Proposition 65 - Phthalate	Pass

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

Andy Ni

**Approved Signatory** 





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## Test Result(s):

Test Part Description:

SN ID	ID Sample No. SGS Sample ID		Description		
SN1	SN1 A1 SZX25-0008395-0001.C001		"SemiconductorComponents"		

#### Remarks:

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

## US California Proposition 65 - Bisphenol-A

**Test Method:** With reference to US EPA 3550C: 2007, analysis was performed by HPLC-DAD/MS / LC-MS/MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Bisphenol-A	80-05-7	3.0	mg/kg	1.0	ND
Conclusion					Pass

#### Notes:

- (1) The limit is referenced to the requirement specified in Settlement Agreement between Ferreiro and Superior Communications Inc.
- (2) The reference limit applied in testing is based on particular California Proposition 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.

A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with California Proposition 65 by clearly informing the consumer of potential exposure.

### **US California Proposition 65 - Lead**

**Test Method:** With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	100	mg/kg	20	ND
Conclusion				Pass

#### Notes:

- (1) The limit is referenced to the requirement specified in Settlement Agreement between San Francisco Case No. CGC-09-489839 and County of Los Angeles Superior Court Case No. BC 449019.
- (2) The reference limit applied in testing is based on particular California Proposition 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.

A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with California Proposition 65 by clearly informing the consumer of potential exposure.



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### **US California Proposition 65 - Cadmium**

**Test Method:** With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1
Cadmium(Cd)	300	mg/kg	5	ND
Conclusion				Pass

#### Notes:

- (1) The limit is referenced to the requirement as stated in County of Alameda Court Case No. RG-10-514803.
- (2) The reference limit applied in testing is based on particular California Proposition 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical.

A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with California Proposition 65 by clearly informing the consumer of potential exposure.

#### **US California Proposition 65 - Phthalate**

**Test Method:** With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Dibutyl Phthalate(DBP)	84-74-2	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	1000	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	1000	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	1000	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	1000	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	1000	mg/kg	50	ND
Conclusion		•			Pass

#### Notes:

- (1) The limit is referenced to the requirement specified in Settlement Agreement between Marin Court Case No. CIV 091146 and County of Santa Clara Case No. 114CV267501.
- (2) The reference limit applied in testing is based on particular California Proposition 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical. A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with California Proposition 65 by clearly informing the consumer of potential exposure.

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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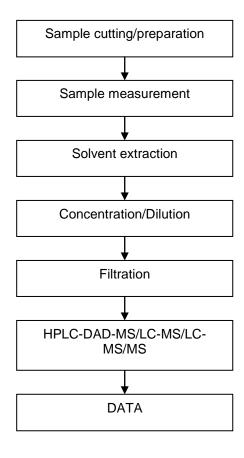
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# Test Report ATTACHMENTS

# **Bisphenols Testing Flow Chart**





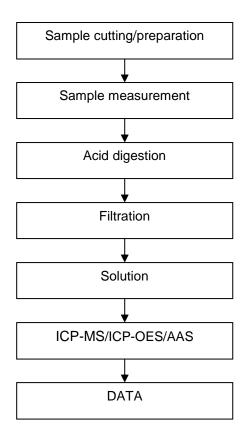
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# **Elements Testing Flow Chart**





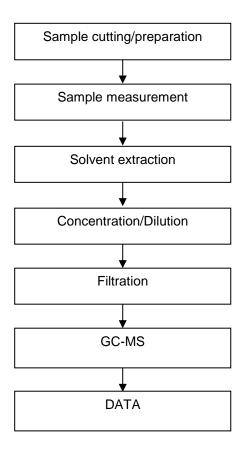
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### **Phthalates Testing Flow Chart**





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Attachment: DIODE:

R-1, R-6, R-Series, A-405, DO-41, DO-15, DO-27(DO-201AD), DO-35, DO-201AC(SMA),

DO-201AA(SMB), DO-201AB(SMC), DO-213AA, DO-213AB(LL-41), DO-218AB, DO-Series,

TO-251,TO-251S,TO-252,PTO-252,TO-262,TO-263,TO-220AB,TO-220AC,TO-220C,TO-220C-2L,

ITO-220AB, ITO-220AC,TO-220F,TO-220F-2L,TO-3P,TO-247, TO-247S,TO-277,TO-277A,

TO-277B, TO-247,TO-247S,TO-3P,TO-3PS,TO-3PF,TO-264-3L,TO-264PLUS-3L,TO-Series

TOLL,TOLT1,TOLT2,SOD-923, SOD-723, SOD-523, SOD-323, SOD-123, SOD-123FL,

SOD-123HE, SOD-323HE, SOD-80(LL-34), SOD882, SOD Series

SMAW, SMAF, SMAFL, SMAFHE, SMBF, SMBFL, SMP, SM Series

0402, 0603, 0805, 1206, SOT-23, SOT-89, SOT-223, SOT Series

SC-88, SC-89, SC-70, SC Series, DFN0603, DFN1608, DFN1610, DFN2020, DFN2018,

DFN Series, PDFN3\*3, PDFN5\*6, PDFN8\*8, PDFN Series, AK3 Series

BRIDGE RECTIFIER:

SM-1, MBF, MBFS, MBS, MBSS, MBM, ABS, ABF, AKB, TMBF, HBS, LDB-S, DB-1, DB-S, RS,

RB, KBL, KBU, KBP, TBP, TBP-1, KBPC, GBP, GBPC, GBU, GBL, SGBJ, GBJ, KBJ, KBJL,

BR, WOL, WOM, WOG, D3K, HV, GH, BCT, PSD, LD, SBL, BU, IBS, WOB, WOBM

DIODE MODULE、RECTIFIER MODULE、BRIDGE RECTIFIER MODULE:

MDC Series, QL Series, SQL Series, MDS Series, MDA Series, MDK Series, MDQ Series,

XQ Series, KPBC Series

PHOTOVOLTAIC MODULE:

09E,QC3Q,Z8X,TS306X,JA005,09ES

MOSFET、IGBT、SIC、GAN、SCR、TRIAC、TRANSISTOR:

DIP25,DIP24,DIP24F, DIP Series module, TO-92,TO-251,TO-251S,TO-252,TO-252-4L,

PTO-252,TO-126,TO-220A,TO-220B,TO-220AB,TO-220C,ITO-220AB,TO-220F,TO-220FJ,

TO-263,TO-263-5L,TO-263-6L,TO-263-7L,TO-262,TO-3P,TO-3PF,TO-247, TO-247S,

TO-247L,TO-247H,TO-247-4L,TO-247Plus-3L,TO-247Plus-4L,TO-264-3L,TO-264PLUS-3L,

TO Serise, TOLL, TOLT1, TOLT2, SOT-23, SOT-23-3L, SOT-89, SOT-223, SOT-143,

SOT Series, SOP-89, SOP-8, SOP Series, DFN3\*3, DFN5\*6, DFN8\*8, DFN2020, DFN3030,

DFN Series, PDFN3\*3,PDFN3\*3-D,PDFN5\*6,PDFN5\*6-D,LFPAK5\*6,PDFN8\*8, PDFN Series

QFN3\*3, QFN Series

IC:

SOT-23-5/6, SOP-8/14/16/18/20/24/28/30/36/48, SOT Series, SSOP-8/14/16/18/20/24/28/36/48,

SSOP Series, MSOP-10/14, MSOP Series, TSSOP-14/20/28, TSSOP Series,

DIP-8/14/16/20/24/28/36/48, DIP Series, QFN16/20/24/28/32/40/48/64, QFN Series



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DFN6/8/10/20, DFN Series, LQPF32/44/48/52/64/100, LQPF Series

SOP-8L, SOP Series, SOP Series+

Low Dropout Regulator(LDO). Three-terminal precision voltage regulator. Voltage Regulator:

SOT-23, SOT-89, SOT-223, SOT Series, TO-252, TO-220, TO-263, TO-263-5L, TO Series



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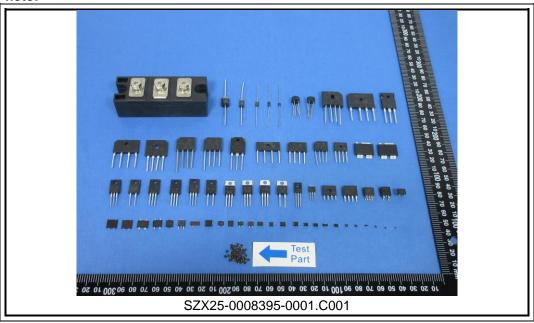
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Sample Photo:



SGS authenticate the photo on original report only

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