

Test Report

No.: SHAEC26018772701

Date: Jul 04, 2026

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Client Name: Shenzhen Xinbole Electronics Co.,Ltd

Client Address: 1005, Building 3, Zhuoyue Meilin Center Plaza (North District), No. 128 Zhongkang Road, Meidu Community, Meilin Street, Futian District, Shenzhen

Sample Name: IC

Model No.: ULN2003

Client Ref. Information: Please see the attachment

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

SGS Job No.: TIC1020260624130950SGJP

Sample Receiving Date: Jun 24, 2026

Testing Period: Jun 24, 2026 ~ Jul 04, 2026

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
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - 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)	Pass
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium	Pass

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

Tom Ni

Tom Ni
Approved Signatory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA26-0187727-0001.C001	Black body with printing
SN2	A2	SHA26-0187727-0001.C002	Silver metal

Remarks:

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

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - 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)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	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)	1000	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)	Limit	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
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-1:2015, analysis was performed by ICP-OES/AAS and UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A2
Lead (Pb)	1000	mg/kg	2	5
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	µg/cm ²	0.10	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ =
 - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr(VI).
 - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr(VI) based coating.
 - c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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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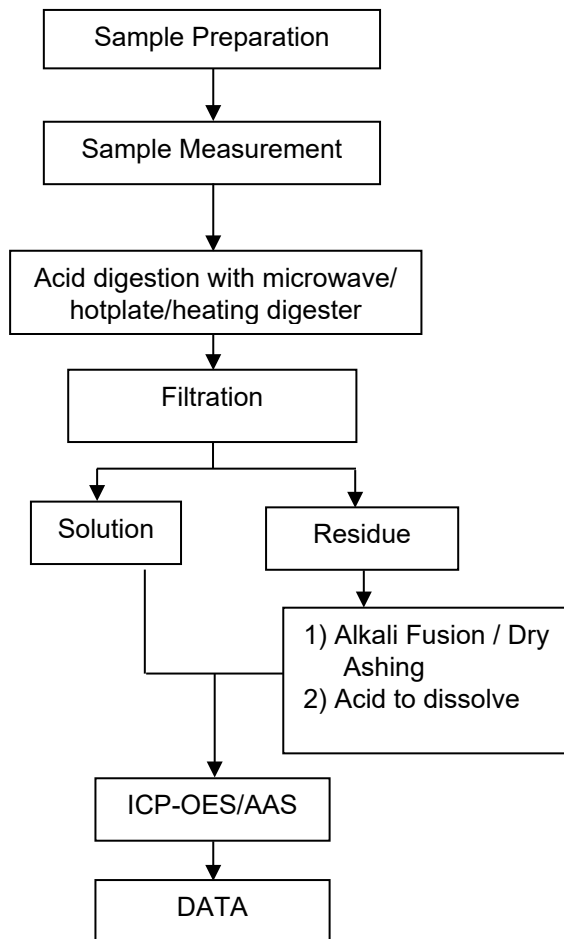
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Elements Testing Flow Chart

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.



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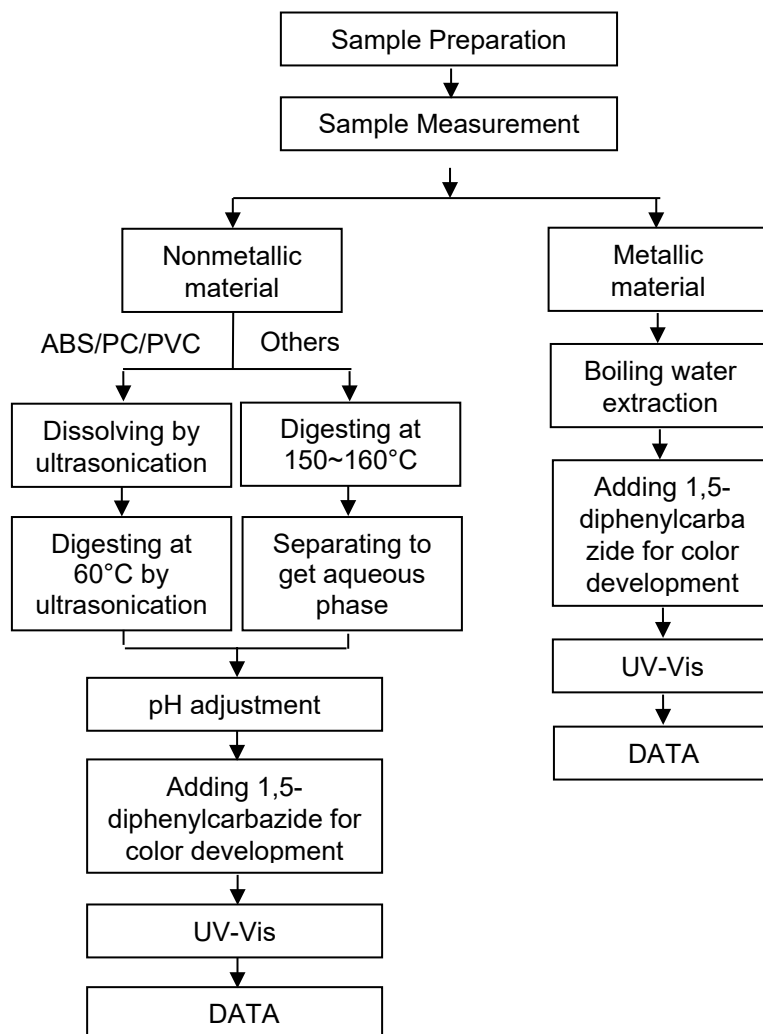
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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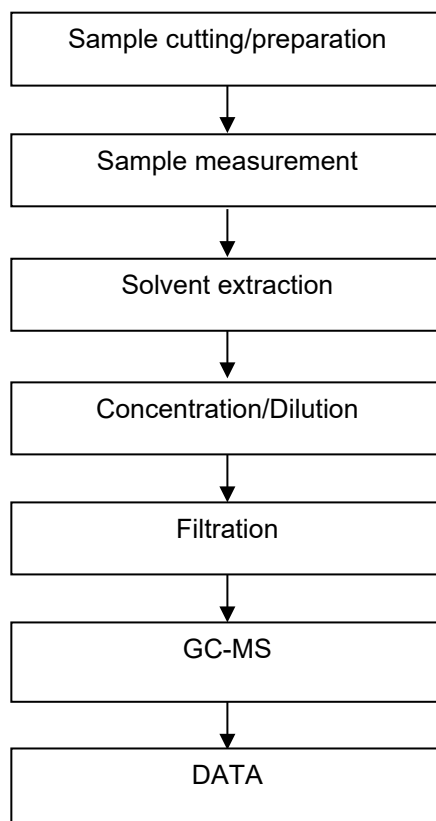
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PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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LM358, LM393, LM324, LM321, LM series;
LMV358, LMV321, LMV324, LMV series;
CD4051, CD4052, CD4017, CD4069, CD4000 series;
74HC595, 74HC164, 74HC245, 74HC series;
74LS00, 74LS86, 74LS32, 74LS series;
MAX485, MAX3485, MAX232, MAX3232, MAX series;
ULN2001, ULN2002, ULN2003, ULN2803, ULN series;
XBL1117-3.3, XBL1117-5.0, XBL1117-1.8, XBL1117-ADJ, XBL1117 series
24C01,2,4C02,24C16,24C32,24C64,24C128,24C series
L7805, L7809, L7812, L78XX series
L78M05, L78M09, L78M12, L78M series
XOPA333, XOPA2333, XOPA340, XOPA2340, XOPA4340, XOPA330, XOPA2330, XOPA series
MCP6001, MCP6002, MCP6004, XMCP6021, XMCP6022, XMCP6024, XMCP series
XBL1509,XBL1509B,XBL2575,XBL2576,XBL2596,XBL4001,XBL4015,XBL4016,XBL1583,XBL1410,XBL259
4,XBL2675,XBL2674,XBL6019,XBL4005,XBL4013,XBL4003,XBL6001,XBL6002,XBL6003,XBL6005,XBL60
07,XBL6008,XBL6009,XBL series
XBL8551/XBL8552/XBL8554,XBL721/XBL722/XBL724
REF31XX, REF33XX, REF30XX, REF32XX, REF series
INA180, INA181, INA199, INA210, INA213, INA214, INA240, INA series
MIC29150,MIC29151,MIC29152,MIC29153,MIC29300,MIC29301,MIC29302,MIC29303,MIC29500,MIC2950
1,MIC29502,MIC29503,MIC29751,MIC29752,MIC series
TL061/062/064. TL071/072/074, TL081/082/084, TL series
PC817,XEL817,XBL817, 817 series, PC357,XEL357,XBL357, 357 series
XMOC3020/3021/3022/3023/3040/3041/3042/3043/3050/3051/3052/3053/3060/3061/3062/3063/3080/3081/
3082/3083,XMOC30 series
4N25/26/27/28/29/30/32/33,4N series
6N135/136/137/138/139, 6N series
UC3842, UC3843, UC3844, UC3845, UC3846,UC2842, UC2843, UC2844, UC2845, KA7500,
TL494, LM2575, LM2576,LM2596, LM2577, XXL1509,PCF8563, DS1302, DS1307, NE555,
NE556, NE5532, NE5534, JRC4558, NJIM4580,DS18B20, DS18B20T,L293, L297, L298, GT298,
L9110, L9910, CP2119,CP1511,CP2139, CP3119,CP118, CP6208, GT7555, TLC555,
SG3524.SG3525, SG3526, 4054,4056,LM317, LM337, SN75176, SN65176,65LBC184, 75LBC184。
SOP8, MSOP8,TSSOP8, SOT23,SOT23-3,SOT23-5,SOT23-6,SC70-5,SC70-6, SOT223, SOP16,
TSSOP16, SOP14, TSSOP14, SOP18, SOP20,SOP24, TO220, TO252,TO263,
SOT89,DFN,QFN,DIP8,DIP14,DIP16,DIP18,DIP20,DIP24, DFN Series, QFN series



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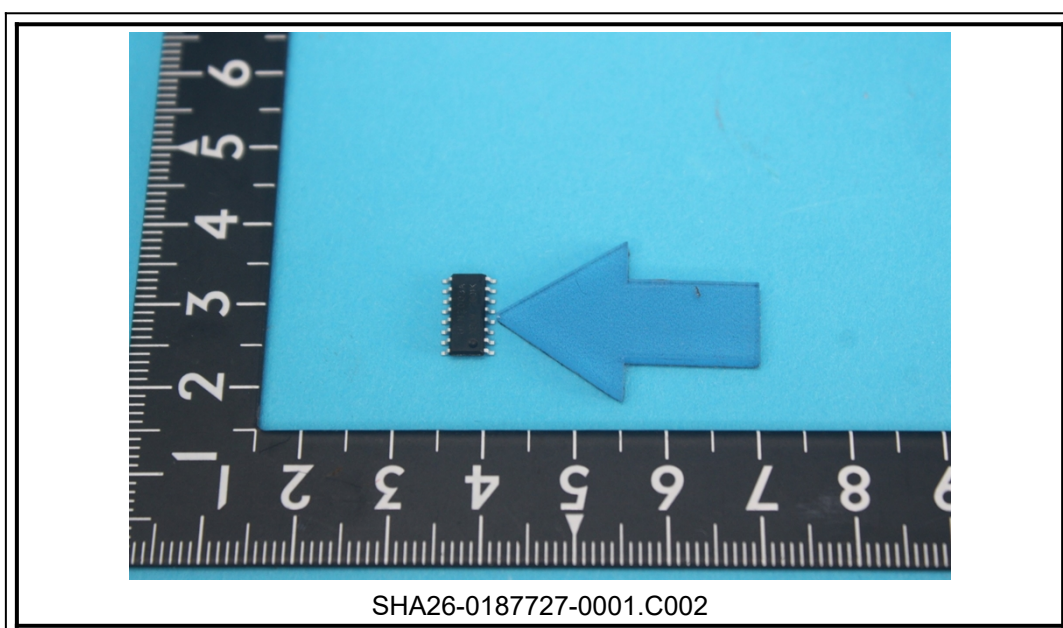
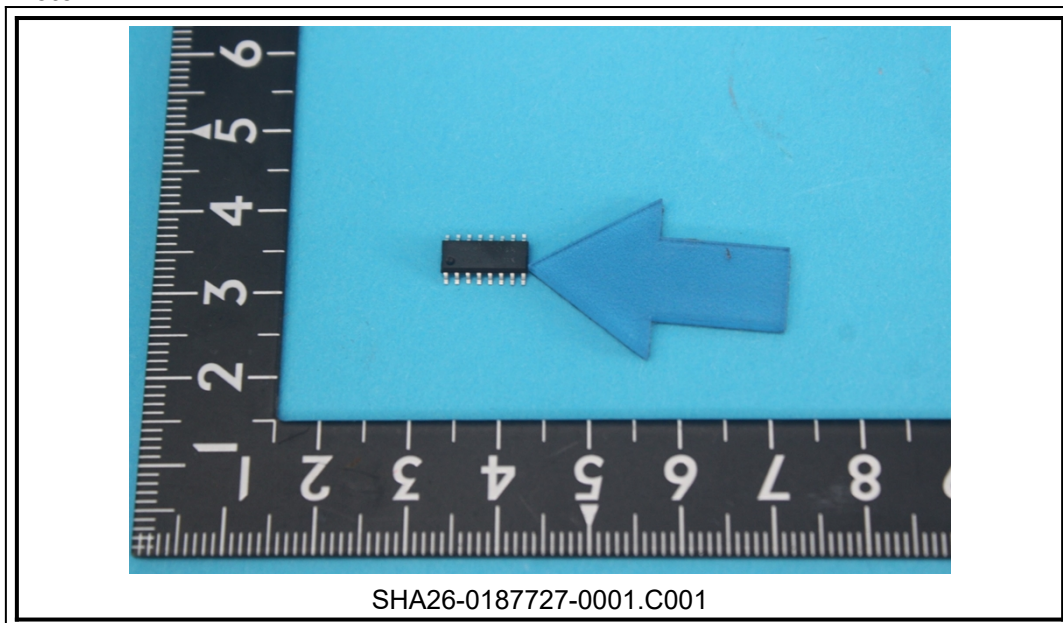
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