Test Report

No.: NGBEC26003498901 **Date:** May 09, 2026

Client Name: ZHEJIANG TOT ELECTRIC CO.,LTD.

Client Address: NO.1, DEXIAN ROAD, CHENGNAN INDUSTRIAL ZONE, DONGHUA STREET, LONGYOU COUNTY, ZHEJIANG PROVINCE

Sample Name: Switch panel-Socket panel-Supporting frames-Hole cover

Client Ref. Information: SEE ATTACHMENT

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

SGS Job No.: NBP26-003558

Sample Receiving Date: May 06, 2026

Testing Period: May 06, 2026 ~ May 09, 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

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

Ashley Zhang

Ashley Zhang
Approved Signatory

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B12280AF

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	NGB26-0034989-0001.C001	white plastic

Remarks:

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

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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.

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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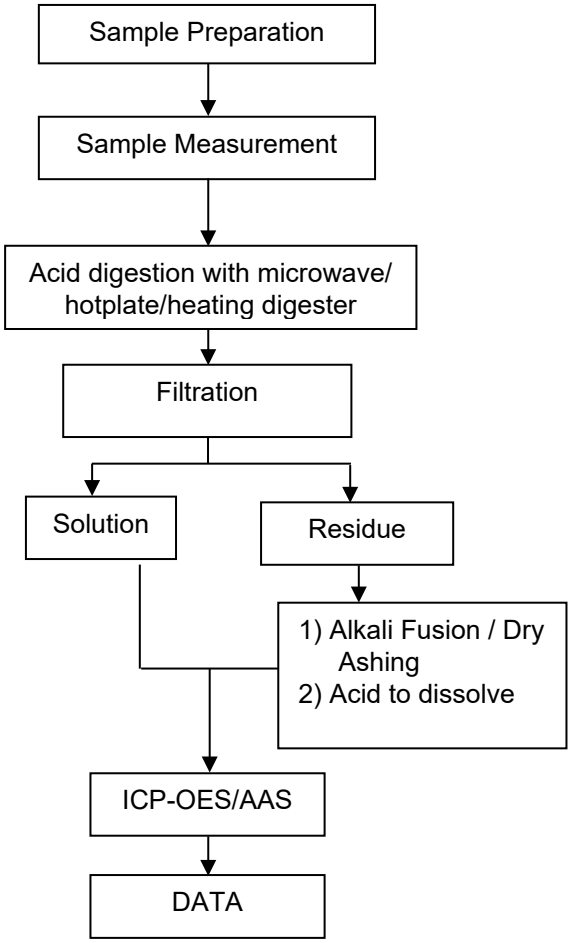
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Elements Testing Flow Chart

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



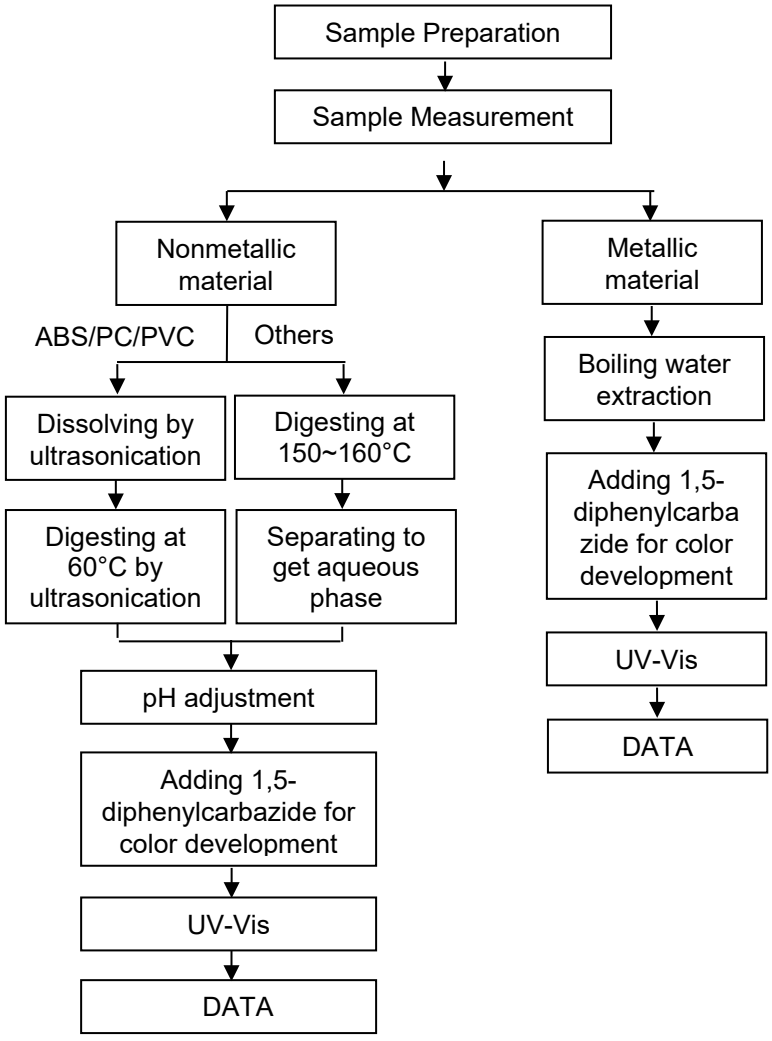
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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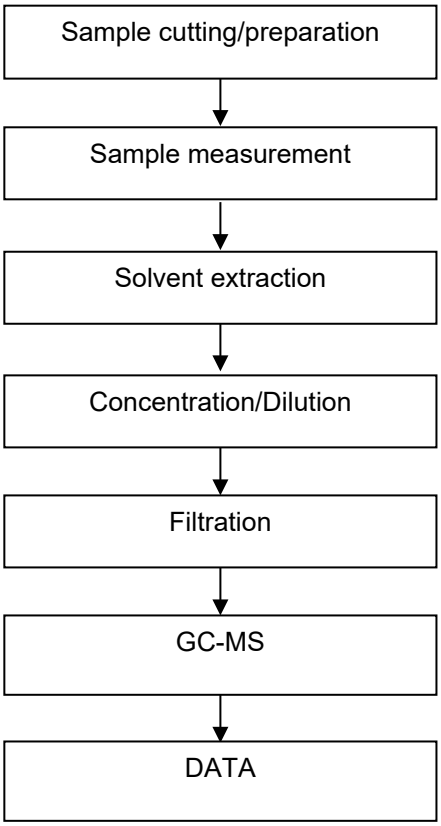
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PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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Attachment:
E08B186-FW、E08KB111-FW、E08ZB106-FW、E08TB228-FW、E08TB226-FW、E08DB101-FW、E08TB101-FW、F08B186、F08KB111、F08ZB106、F08TB228、F08TB226、F08DB101、F08TB101

1、Switch：
abKB111cd,abKB112cd,abKB113cd,abKB211cd,abKB212cd,abKB213cd,abKB311cd,abKB121cd,abKB122cd,abKB123cd,abKB221cd,abKB222cd,abKB223cd,abKB321cd,abKB114cd,abKB115cd,abKB214cd、abKB215cd；

2、Socket Outlet：
abZB106cd,abZB103cd,abZB102cd,abZB123cd,abZB107cd,abZB105cd,abZB104cd,abZB206cd,abZB203cd,abZB202cd,

3、Flush type socket-outlet with USB Power board：
abTB228cd,abTB236cd；

4、USB power supply：
abTB226cd,abTB227cd；

5、Flush-type switch：
abDB101cd,abDB102cd,abDB103cd；

6、Thermostat：
abDB104cd；

7、Telecommunications outlet：
abTB101cd,abTB211cd,abTB103cd,abTB104cd,abTB107cd,abTB102cd,abTB221cd,abTB222cd,abTB105cd,abTB231cd,abTB213cd,abTB223cd,abTB224cd,abTB229cd,abTB230cd,abTB215cd,abTB214cd,abTB212cd,abTB220cd,abTB225cd,abTB366cd,abTB106cd,abTB232cd,abTB233cd,abTB234cd,abTB235cd,abTB108cd；

8、panel：
abB101cd,abB102cd,abBB101cd、abBB102cd,abB186cd,abB286cd,abB386cd.abB486cd,abB586cd；
(ab=E01,E02,E03,E05,E06,E07,E08,E09,E10,E11,E12,E13,E14,E15,E16,E17,F01,F02,F02,F03,F04,F05,F06,F07,F08,F09,F10;
E01,E02,E03,E07,E08,E11,E12,E13,E14,E15,E16,E17,F01,F02,F03,F04,F05,F06,F07,F08,F09,F10 indicate white PC panel; E05, E09 indicateglass panel; E06, E10 indicate Aluminum panel; cd=blankor-SL,-BK,-CG,-SG, -BL, -BR, -WH, -RD,-MO, -CH, -IV,-GR,-BE,-FW,-FBK,-FBL,-FSL,-FBR,-FCG,-FSG,-FMK,-FSA,-FCR,-FTI,-FGU,-FPA,-MSL,-MBK,-MCG,-MBR,-MSG,-MRD,-GMO,-GCH,-GBE,-GWH,-GBK,-GCG,-GBL,-GSG-GRD: it indicates different color

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