

**Test Report**

No.: XMNEC25001255201

Date: Jun 09, 2025

Page 1 of 8

Client Name: XIAMEN CHANGSU INDUSTRIAL CORPORATION LIMITED

Client Address: NO.268,WENGJIAO ROAD,HAICANG DISTRICT,XIAMEN,CHINA

Sample Name: Polyamide (nylon) film for lithium-ion battery packaging

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

SGS Job No.: XMP25-002445

Sample Receiving Date: Jun 04, 2025

Testing Period: Jun 04, 2025 ~ Jun 09, 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
GB/T 26572-2011 "Requirement of concentration limits for certain restricted substances in electrical and electronic products" and its amendment No.1 - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP), Butyl benzyl phthalate (BBP) and Bis(2-ethylhexyl) phthalate (DEHP)	Pass

Signed for and on behalf of  
SGS CSTC Standards Technical Services Co., Ltd. Xiamen BranchSunny Lu 卢湘勤  
Approved Signatory

Scan to see the report



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Xiamen Branch

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**Test Result(s):**

**Test Part Description:**

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	XMN25-0012552-0001.C001	Black plastic film

**Remarks:**

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

**GB/T 26572-2011 “Requirement of concentration limits for certain restricted substances in electrical and electronic products” and its amendment No.1 - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP), Butyl benzyl phthalate (BBP) and Bis(2-ethylhexyl) phthalate (DEHP)**

**Test Method:** With reference to GB/T 39560.4-2021, GB/T 39560.5-2021, GB/T 39560.702-2021, GB/T 39560.6-2020 and GB/T 39560.8-2021, 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
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND



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No.: XMNEC25001255201

Date: Jun 09, 2025

Page 3 of 8

Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND

**Notes:**

(1) The maximum permissible limit is quoted from GB/T 26572-2011 "Requirement of concentration limits for certain restricted substances in electrical and electronic products" and its amendment No.1 (Effective date: 2026.01.01).

In case of any discrepancy, the Chinese version shall prevail.

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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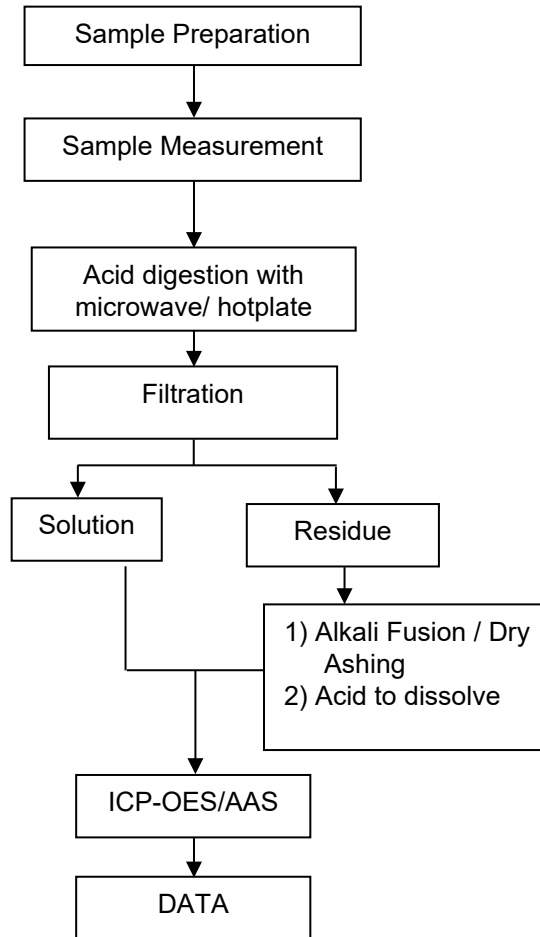
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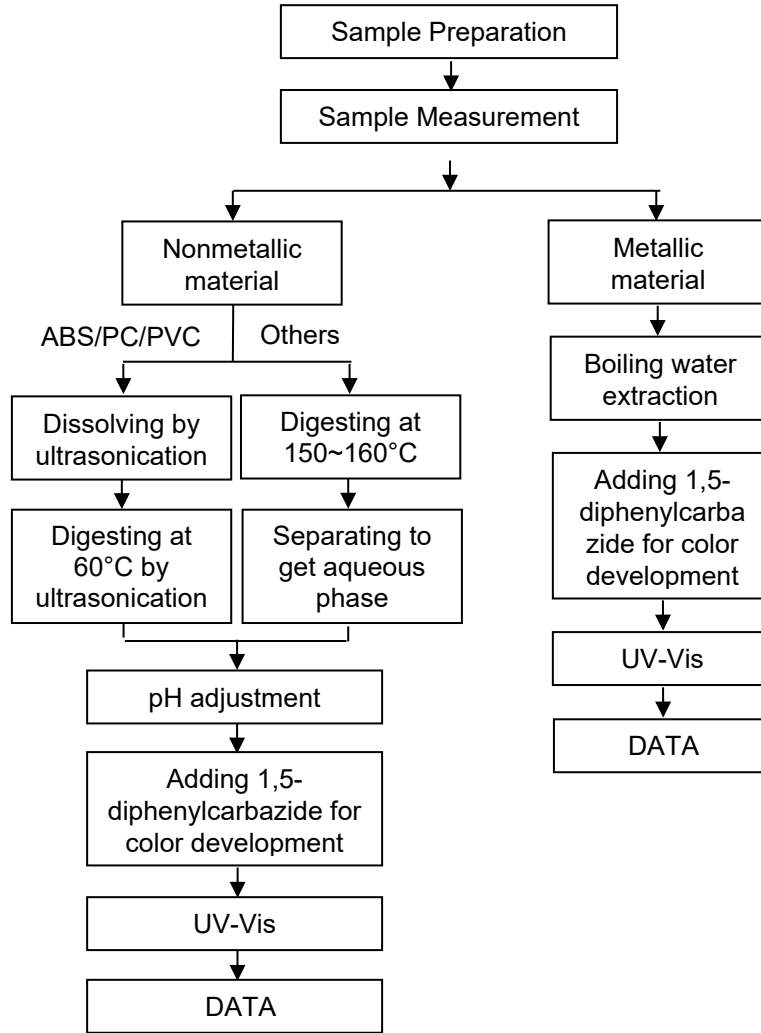
**Elements Testing Flow Chart**

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



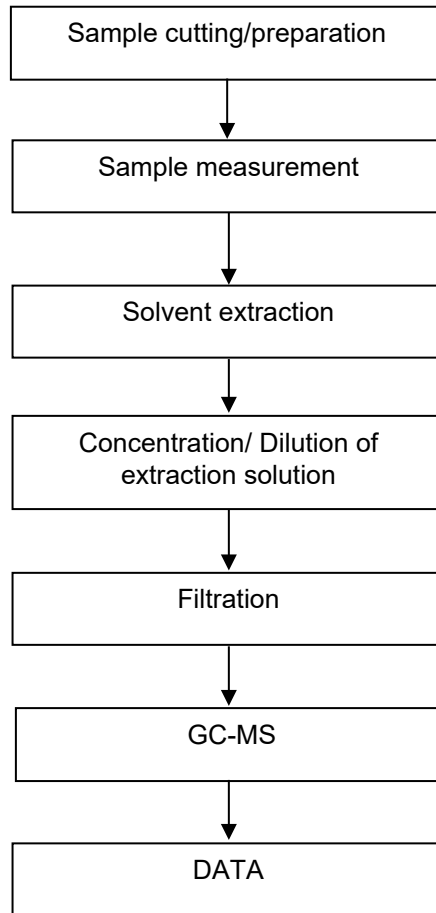
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**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**



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### PBB/PBDE Testing Flow Chart



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### Phthalates Testing Flow Chart



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No.: XMNEC25001255201

Date: Jun 09, 2025

Page 8 of 8

### Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



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