[redacted]

The following sample was submitted and identified on behalf of the client as below:

SGS Job No.	:	VNHL2508028191EE
Sample Description	:	"MANG SHIELDING CHONG TINH DIEN/ ESD SHIELDING FILM"
Characteristic	:	VMPET/ CPP
Color	:	"XAM"
[redacted]		
Country of Origin	:	VIET NAM
Country of Destination	:	VIET NAM

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

Sample Receiving Date	:	AUGUST 28, 2025
Final Confirmed Date	:	AUGUST 28, 2025
Testing Period	:	AUGUST 28, 2025 TO SEPTEMBER 05, 2025
Test Requested	:	SELECTED 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).
Result Summary	:	PLEASE REFER TO NEXT PAGE(S).

Signed for and on behalf of
SGS Vietnam LTD

Thay mặt công ty SGS SGS Vietnam Ltd

Nguyen Dao Duy Khanh
Central Chemical Laboratory and Connectivity EET Manager

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CHECK REPORT
Y7B5J5TB

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Result Summary:

Test Requested	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
Halogen content (Cl, Br, F, I)	See result

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Test result(s):

Sample Description:

Component No.	Description	Material	Color
1	GRAY PLASTIC (MANG SHIELDING CHONG TINH DIEN/ ESD SHIELDING FILM)	PLASTIC	GRAY

1. 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, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	RL	Result 1
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	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
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	RL	Result
				1
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
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	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

Note:

1. 1mg/kg=0.0001%
2. RL = Reporting Limit
3. ND = Not detected
4. - = not regulated
5. The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
6. IEC 62321 series is equivalent to EN 62321 series.
7. 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
8. The above test(s) was / were accredited ISO 17025:2017 by VILAS
   The above test(s) was / were performed by SGS VN's Chemical lab.

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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2. Halogen content

Test Item(s)	Unit	Method	Result(s) 1	RL
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to EN 14582: 2016, Halogen analysis was performed by IC.	ND	20
Halogen-Chlorine (Cl) (CAS No. : 22537-15-1)	mg/kg		ND	50
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		ND	50
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		ND	50

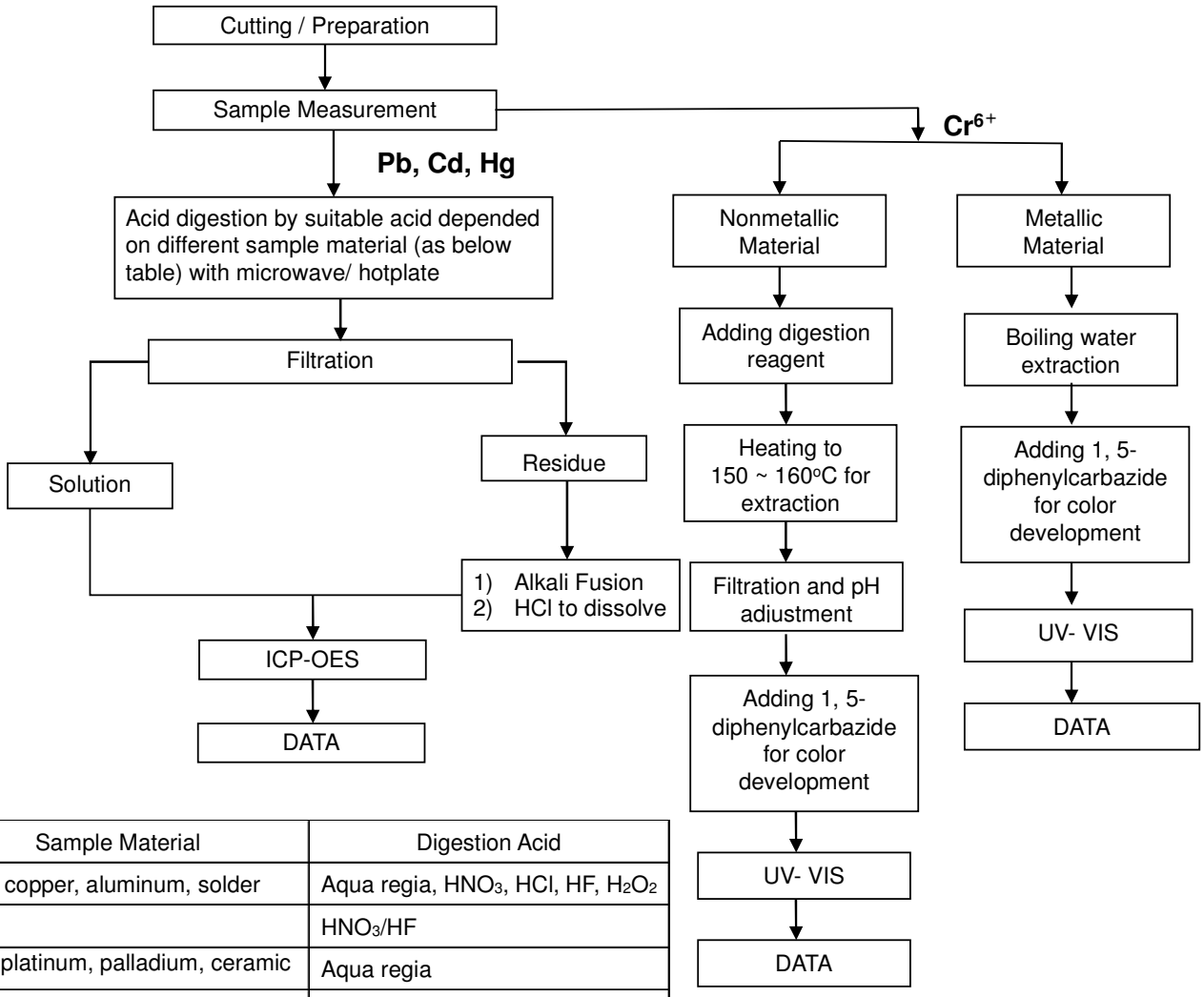
Note:
1. mg/kg = ppm; 0.1wt% = 1000ppm
2. RL = Reporting Limit
3. ND = Not detected

Remark: The above test(s) was / were accredited ISO 17025:2017 by VILAS.
The above test(s) was / were performed by SGS VN's Chemical lab.

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Flow Chart for RoHS: Pb/Cd/Hg/Cr^{6+} Testing

These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)

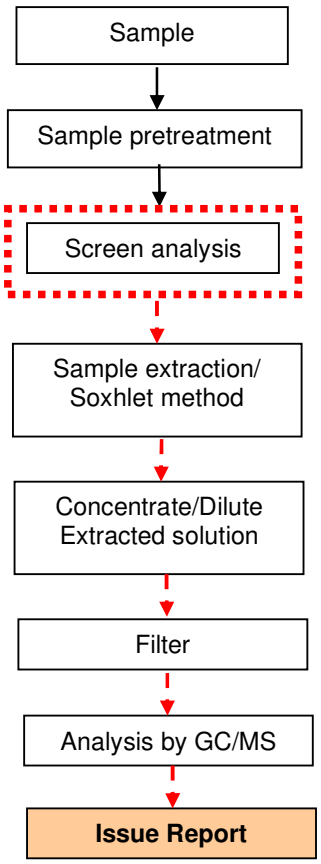


Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO_3, HCl, HF, H_2O_2
Glass	HNO_3/HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO_3
Plastic	H_2SO_4, H_2O_2, HNO_3, HCl
Others	Any acid to total digestion

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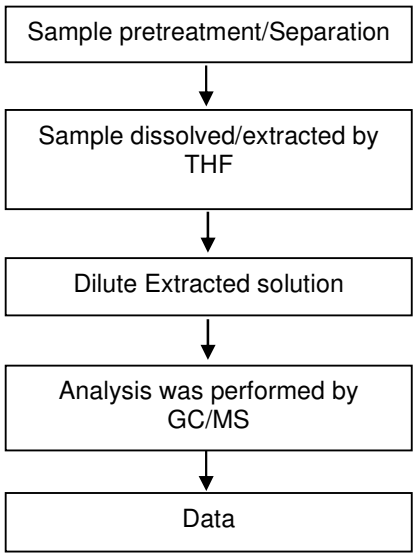
Flow chart of PBB/PBDE Testing

First testing process ⟶
Optional screen process .....
Confirmation process – · ▶



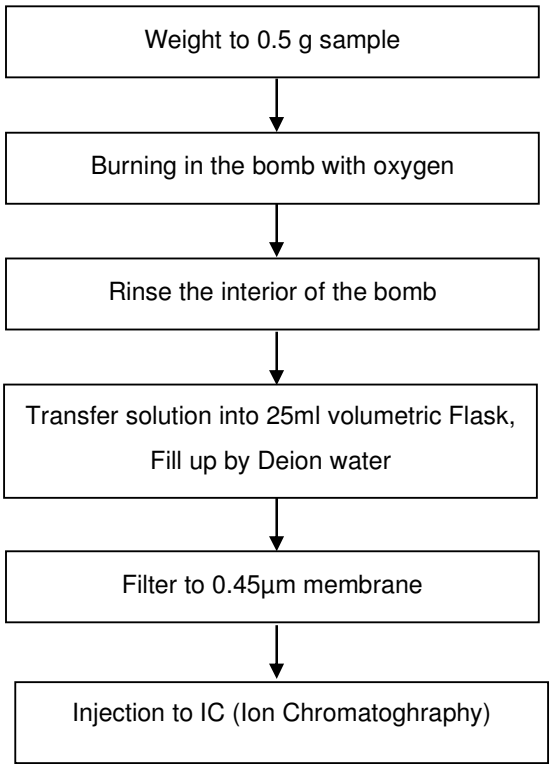
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Flow chart of Phthalate Testing



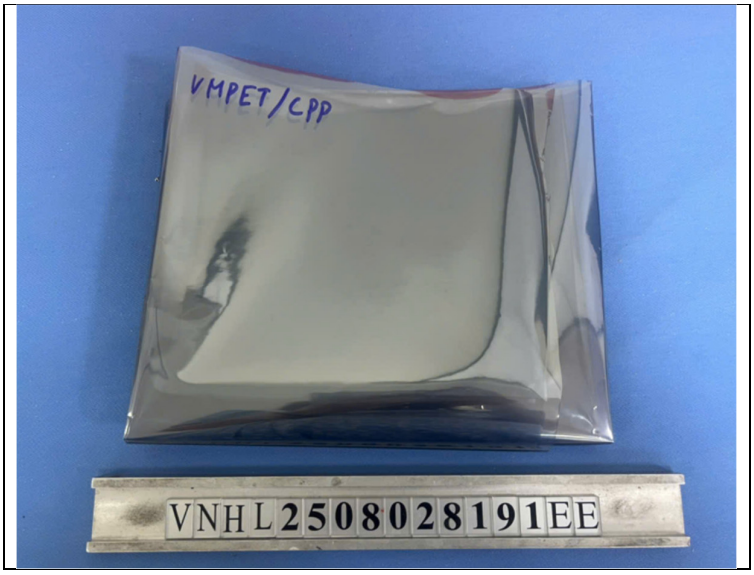
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Analytical flow chart of Halogen content



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PHOTO OF SUBMITTED SAMPLE FOR TESTING



REPORT RESULTS REFER TO SUBMITTED SAMPLE (S) ONLY

*****End of Report*****

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