

TEST REPORT

No: IDHG2510002397

Date: June 05, 2025

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HUBEN INDONESIA JAKARTA, INDONESIA

The following sample(s) was /were submitted and identified by the client as:

Product Name : PVC BOARD HUBEN
Client's reference No. : 2510002397
No Item/Style : -
Color : SOLID WHITE
Manufacturer / Vendor : -
Buyer's Name : HUBEN INDONESIA
Country of Origin : CHINA
Country of Destination : INDONESIA
Other Detail : -

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

Sample Receiving Date : May 23, 2025
Test Performing Period : May 23, 2025 to June 05, 2025
Test Requested : Selected test (s) as requested by the client.
Test Method(s) and Test Result(s) : Please refer to the next page(s).

	Test Request	Conclusion
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)	Pass

Signed for and on behalf of
PT. SGS Indonesia



Toto Waluyadi
Hardgood Lab Manager

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Test Part Description:

Specimen No.	Description	Material	Color
A	PVC BOARD WITHOUT COATING	PVC BOARD	WHITE
B	COATING SCRAPPED FROM PVC BOARD	COATING	WHITE
C	TRANSPARENT PLASTIC WITH PRINTING	PLASTIC	TRANSPARENT

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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/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit	MDL	Result
				A
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
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

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Test Item(s)	Limit	Unit	MDL	Result
				A
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND

Note :

- 1mg/kg = 0.0001%
- MDL= Method Detection Limit
- ND = Not Detected
- "-" = Not Regulated
- The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- IEC 62321 series is equivalent to EN 62321 series.
- 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

Remark: 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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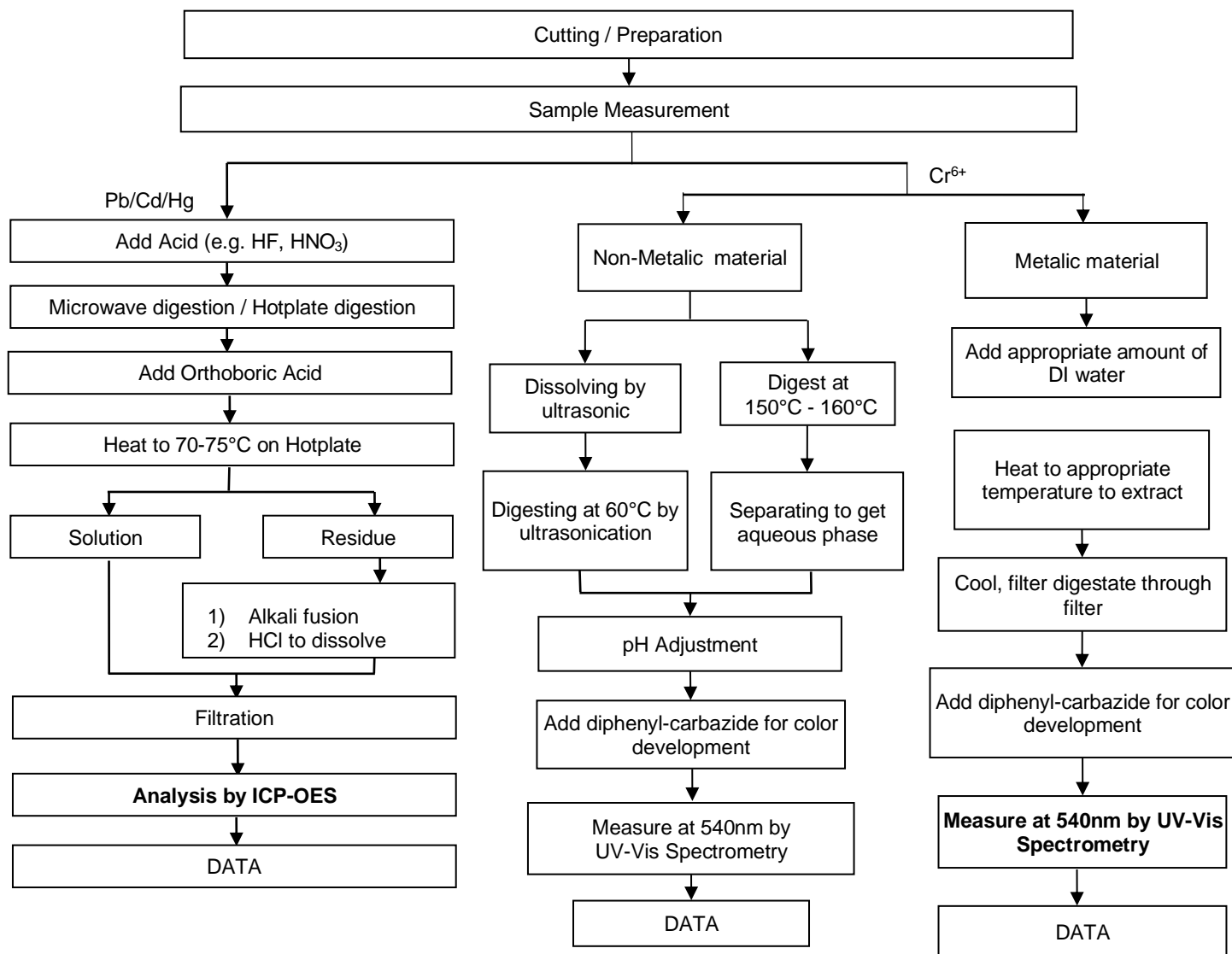
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Process Flow of IEC 62321 (Pb, Cd, Hg, Cr(VI))

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



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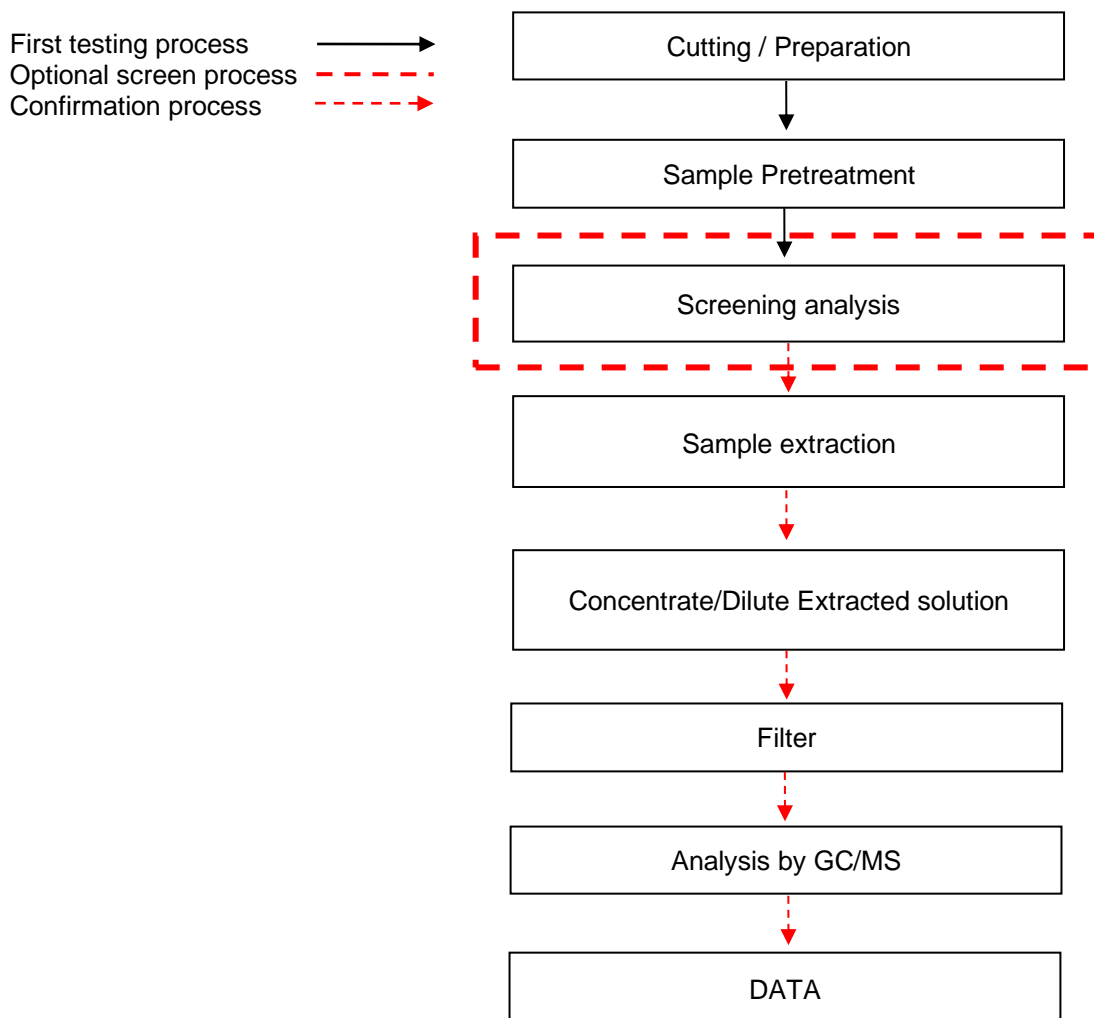
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Process Flow of PBBs and PBDEs by GC/MS (IEC 62321)



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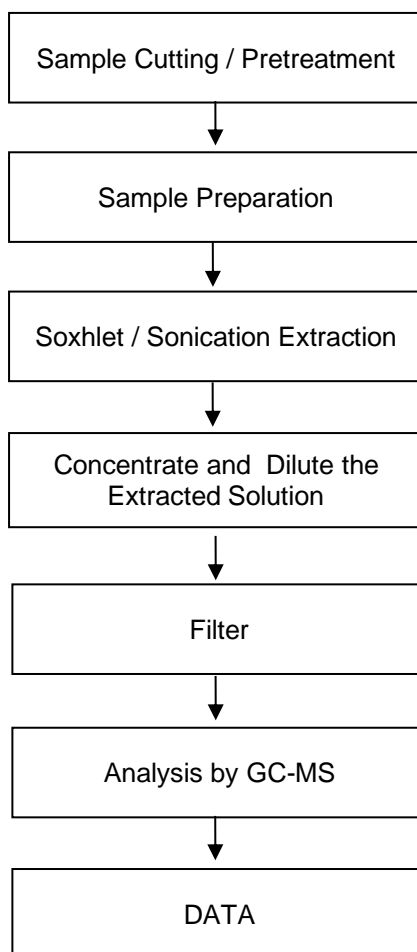
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Process Flow of Phthalates Analysis (IEC 62321)



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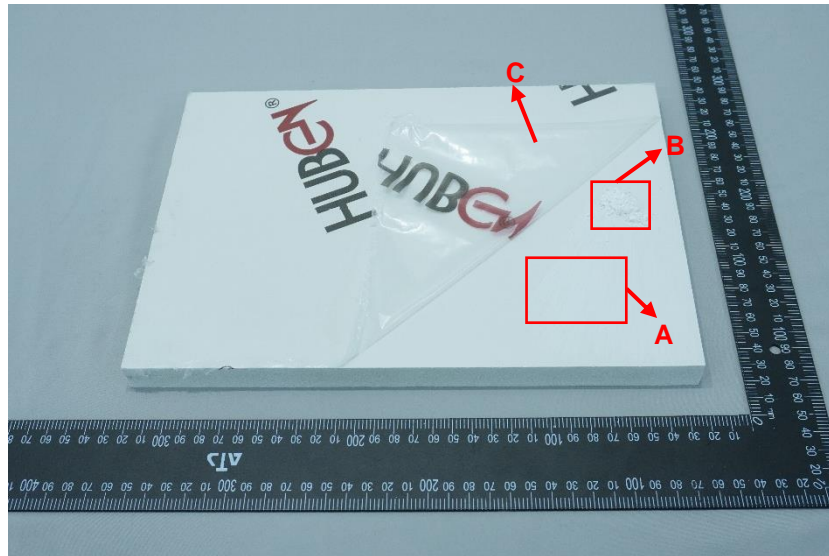
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Sample Picture



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

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