

TEST REPORT

No: IDHG2410005050

Date: May 29, 2024

Page 1 of 8

PT RIAU ANDALAN PAPERBOARD INTERNATIONAL
JAKARTA OFFICE: JALAN M. H. THAMRIN NO.31, DESA/KELURAHAN KEBON MELATI,
KEC. TANAH ABANG, 10230 KOTA JAKARTA PUSAT
MILL OFFICE: JALAN LINTAS TIMUR, PANGKALAN KERINCI, KABUPATEN PELALAWAN
28300, RIAU

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

Product Description : GENERAL PACKAGING BOARD
 Client's reference No. : 2410005050
 Part No. : -
 Batch / Lot No. : -
 Buyer's Name : ILHAM MUAFI
 Manufacturer / Vendor : -
 Country of Origin : -
 Country of Destination : INDONESIA

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

Sample Receiving Date : May 20, 2024
 Test Performing Period : May 20, 2024 to May 29, 2024
 Test Method(s) : Please refer to the next page(s).
 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

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Page 2 of 8

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28300, RIAU**

Signed for and on behalf of
PT. SGS Indonesia

Toto Waluyadi
Hardgood Lab Manager

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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
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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Page 4 of 8

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28300, RIAU

Test Item(s)	Limit	Unit	MDL	Result
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 :

1. 1mg/kg = 0.0001%
2. MDL= Method Detection 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

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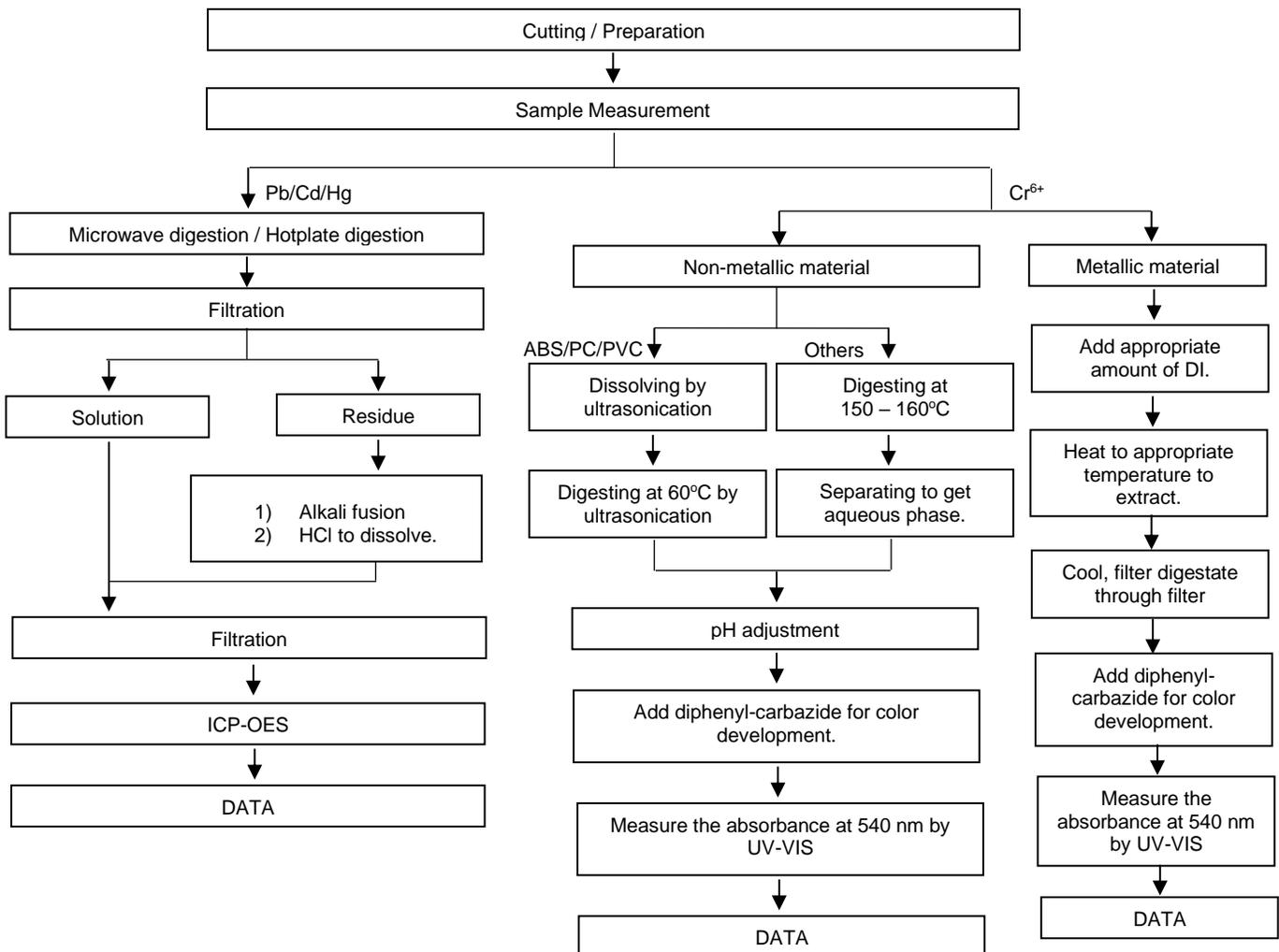
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Process Flow of IEC 62321 (Pb, Cd, Hg, Cr(VI))

These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)

- 1) Name of the person who made measurement: Mita Rachmawati
- 2) Name of the person in charge of measurement: M. Kemal Anggorojati



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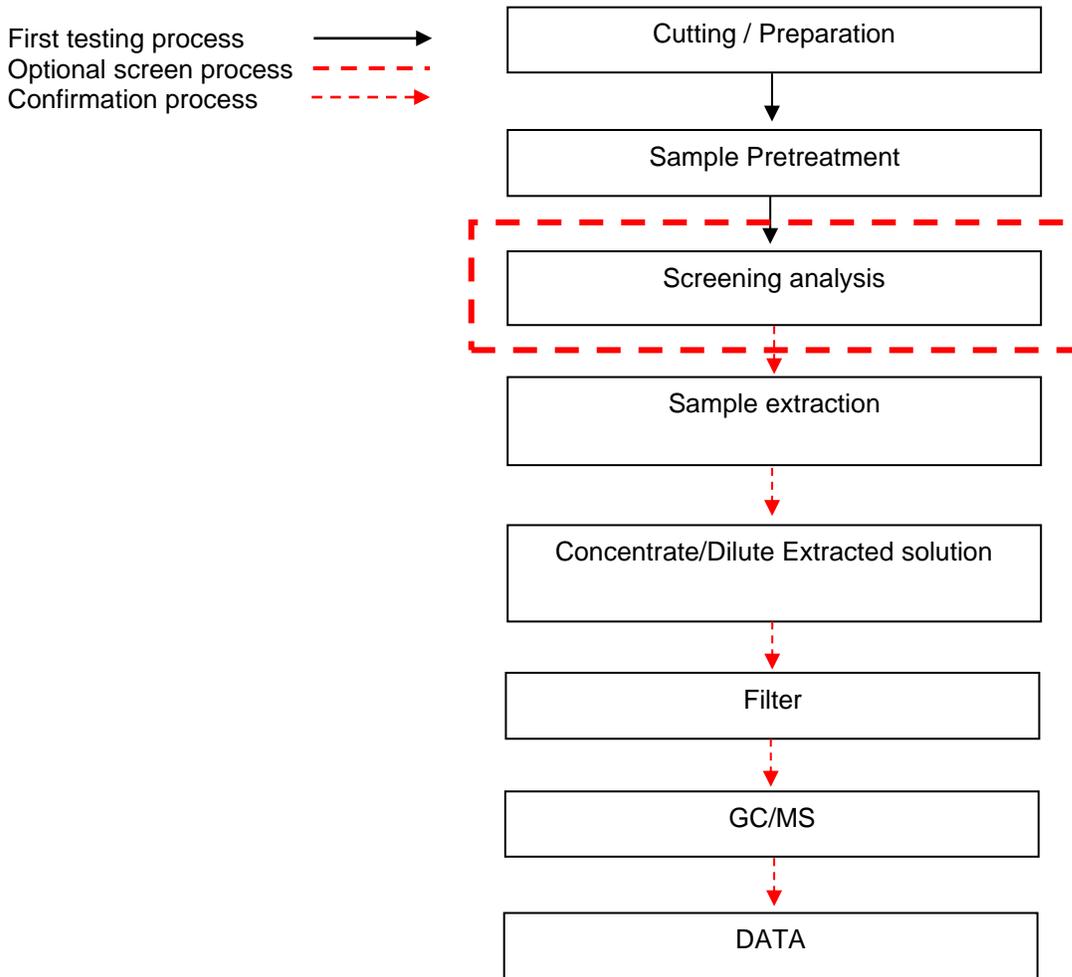
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Process Flow of PBBs and PBDEs by GC/MS (IEC 62321)

- 1) Name of the person who made measurement: Mita Rachmawati
- 2) Name of the person in charge of measurement: M. Kemal Anggorajati



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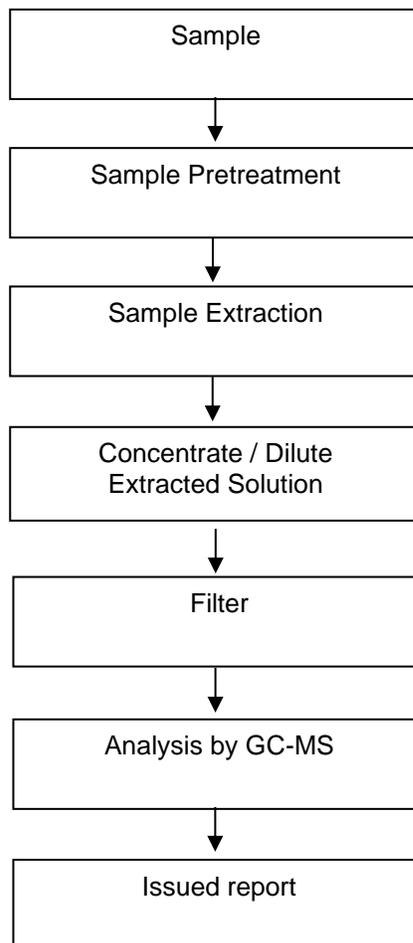
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Process Flow of Phthalates Analysis (IEC 62321)

- 1) Name of the person who made measurement: Mita Rachmawati
- 2) Name of the person in charge of measurement: M. Kemal Anggorojati



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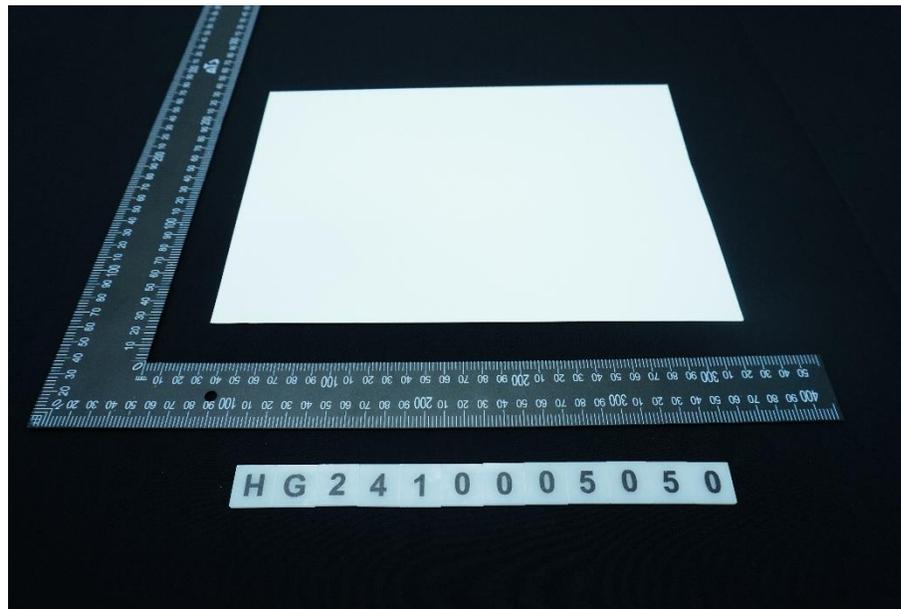
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Page 8 of 8

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Sample Picture



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