TEST REPORT

Report No.: HT40825841801
Date: Aug 14, 2025

Applicant: CÔNG TY CỔ PHẦN GIẤY MINHAN
Address: Khu công nghiệp Tân Quang, Xã Như Quỳnh, Tỉnh Hưng Yên, Việt Nam
ATTN: --
Sample Description:
(The submitted sample said to be)

Material Name:	MHMA (giấy Medium/ giấy sóng)
Material No.:	--
Sample Size:	10 PCS
Receiving Date:	Aug 11, 2025
Completed Date:	Aug 13, 2025

Test Requested:	**Conclusion(s)**
1. Lead,Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.	Pass

Authorized by:

CTIC VIETNAM CO., LTD

David Deng
Technical Manager

QR Code to verify Genuineness

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Test Methods:
Chemical test:

Test Item(s)	Test Method	Measuring Instrument	MDL
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	5 mg/kg
Lead (Pb)	IEC 62321-5:2013	ICP-OES	5 mg/kg
Mercury (Hg)	IEC 62321-4:2013	ICP-OES	5 mg/kg
Non-metal Hexavalent Chromium (Cr^{6+})	IEC 62321-7-2:2017	UV-Vis	30mg/kg
PBBs/PBDEs	IEC 62321-6:2015	GC-MS	12.5 mg/kg
DBP/BBP/DEHP/DIBP	IEC 62321-8:2017	GC-MS	50mg/kg

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Test Results:
The Test Results of Chemical Method:

Elements	Result (mg/kg)	MDL(mg/kg)	Limit (mg/kg)
	Component No.		
	1		
Cadmium (Cd)	N.D.	5	100
Lead (Pb)	N.D.	5	1000
Mercury (Hg)	N.D.	5	1000
Hexavalent Chromium (Cr^{6+})	N.D.	30	1000
Sum of PBBs	N.D.	12.5	1000
Monobromobiphenyl	N.D.	12.5	--
Dibromobiphenyl	N.D.	12.5	--
Tribromobiphenyl	N.D.	12.5	--
Tetrabromobiphenyl	N.D.	12.5	--
Pentabromobiphenyl	N.D.	12.5	--
Hexabromobiphenyl	N.D.	12.5	--
Heptabromobiphenyl	N.D.	12.5	--
Octabromobiphenyl	N.D.	12.5	--
Nonabromobiphenyl	N.D.	12.5	--
Decabromobiphenyl	N.D.	12.5	--
Sum of PBDEs	N.D.	12.5	1000
Monobromodiphenylether	N.D.	12.5	--
Dibromodiphenylether	N.D.	12.5	--
Tribromodiphenylether	N.D.	12.5	--
Tetrabromodiphenylether	N.D.	12.5	--
Pentabromodiphenylether	N.D.	12.5	--
Hexabromodiphenylether	N.D.	12.5	--
Heptabromodiphenylether	N.D.	12.5	--
Octabromodiphenylether	N.D.	12.5	--
Nonabromodiphenylether	N.D.	12.5	--
Decabromodiphenylether	N.D.	12.5	--

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Elements	Result (mg/kg)	MDL(mg/kg)	Limit (mg/kg)
	Component No.		
	1		
Dibutyl phthalate (DBP) (CAS No.84-74-2)	N.D.	50	1000
Butyl benzyl phthalate (BBP) (CAS No.85-68-7)	N.D.	50	1000
Bis (2-ethylhexyl) phthalate (DEHP) (CAS No.117-81-7)	N.D.	50	1000
Diisobutyl phthalates (DIBP) (CAS No.84-69-5)	N.D.	50	1000

Note:
1. mg/kg = milligram per kilogram(ppm).
2. N.D. = Not Detected (< MDL).
3. "--" = Not regulated.
4. MDL = Method Detection Limit.

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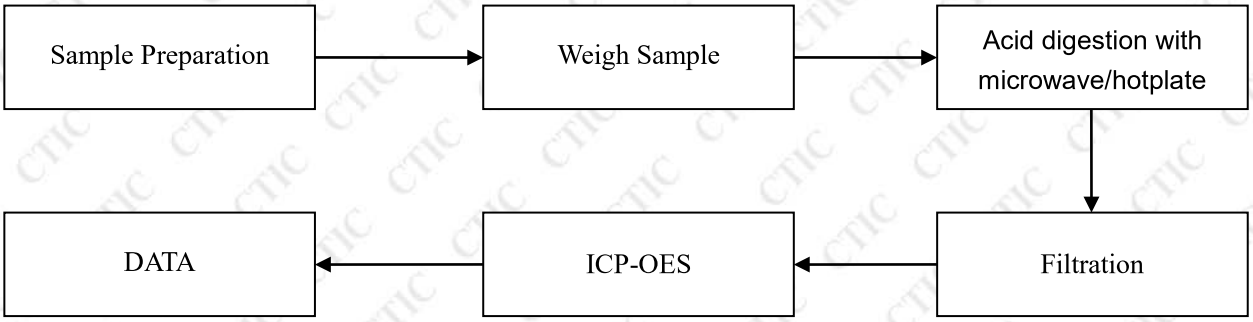
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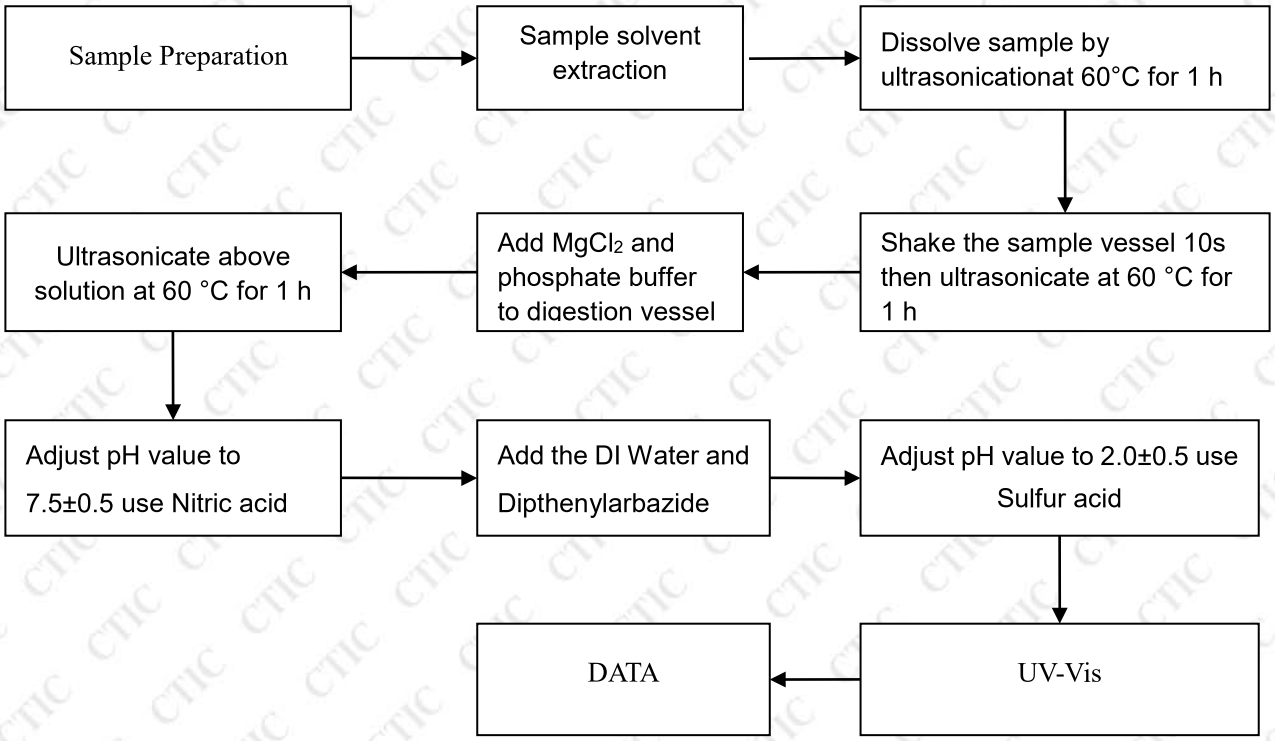
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Test Process Flow:

1. Lead, Cadmium, Mercury



2. Hexavalent Chromium(Non-metal)

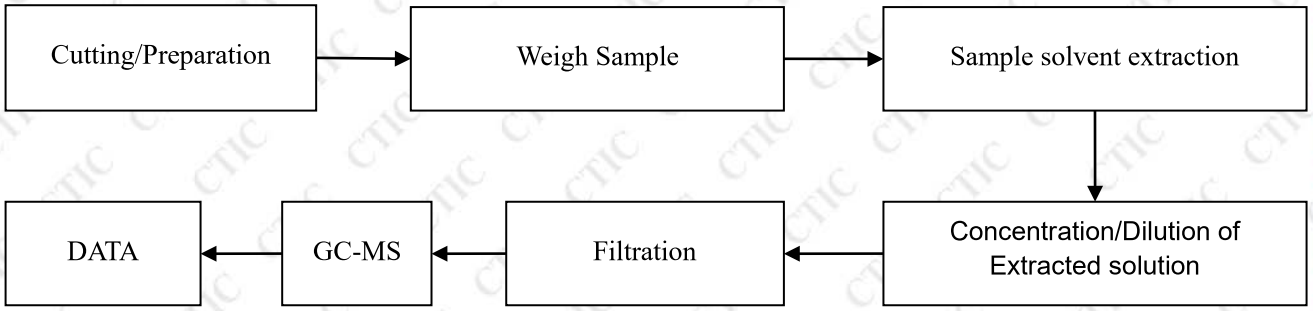


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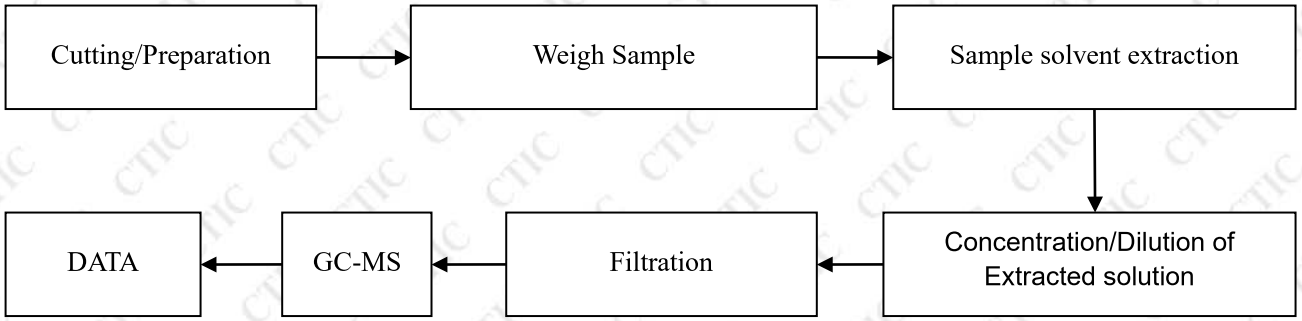
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3. PBBs & PBDEs



4. Phthalates



The sample were dissolved totally at the acid digestion step of the above flow chart for Lead (Pb), Cadmium(Cd), Mercury(Hg).

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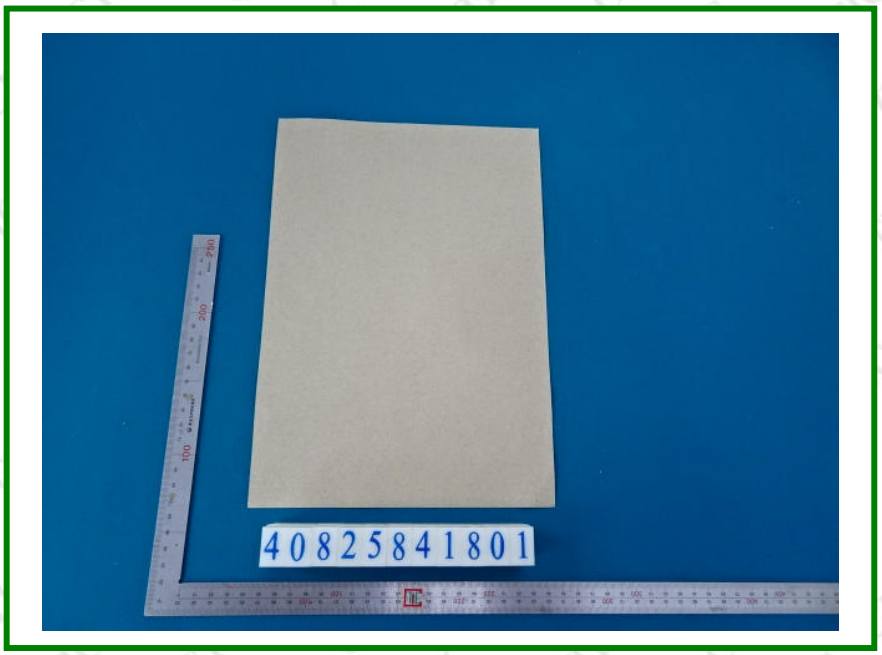
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Test Component List

The following components apply only to the samples submitted for testing

Component No.	Description	Location
1	Light brown paper	Body

Photo(s) of Sample(s):



End of Report

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