TEST REPORT

Report No.: HT40826867201
Date: Aug 28, 2026

Applicant: Công Ty TNHH Thương Mại Và Dịch Vụ Công Nghiệp Tuấn Huyền
Address: Số 206 Khu II, Phường Hồng An, TP Hải Phòng, Việt Nam
ATTN: --
Sample Description:
(The submitted sample said to be)

Material Name:	Màng co (Shrinkle film)
Material No.:	--
Sample Size:	10G
Receiving Date:	Aug 25, 2026
Completed Date:	Aug 28, 2026

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	2 mg/kg
Lead (Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg
Mercury (Hg)	IEC 62321-4:2013	ICP-OES	2 mg/kg
Non-metal Hexavalent Chromium (Cr^{6+})	IEC 62321-7-2:2017	UV-Vis	8 mg/kg
PBBs/PBDEs	IEC 62321-6:2015	GC-MS	2 mg/kg
DBP/BBP/DEHP/DIBP	IEC 62321-8:2017	GC-MS	15 mg/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.	2	100
Lead (Pb)	N.D.	2	1000
Mercury (Hg)	N.D.	2	1000
Hexavalent Chromium (Cr^{6+})	N.D.	8	1000
Sum of PBBs	N.D.	2	1000
Monobromobiphenyl	N.D.	2	--
Dibromobiphenyl	N.D.	2	--
Tribromobiphenyl	N.D.	2	--
Tetrabromobiphenyl	N.D.	2	--
Pentabromobiphenyl	N.D.	2	--
Hexabromobiphenyl	N.D.	2	--
Heptabromobiphenyl	N.D.	2	--
Octabromobiphenyl	N.D.	2	--
Nonabromobiphenyl	N.D.	2	--
Decabromobiphenyl	N.D.	2	--
Sum of PBDEs	N.D.	2	1000
Monobromodiphenylether	N.D.	2	--
Dibromodiphenylether	N.D.	2	--
Tribromodiphenylether	N.D.	2	--
Tetrabromodiphenylether	N.D.	2	--
Pentabromodiphenylether	N.D.	2	--
Hexabromodiphenylether	N.D.	2	--
Heptabromodiphenylether	N.D.	2	--
Octabromodiphenylether	N.D.	2	--
Nonabromodiphenylether	N.D.	2	--
Decabromodiphenylether	N.D.	2	--

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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.	15	1000
Butyl benzyl phthalate (BBP) (CAS No.85-68-7)	N.D.	15	1000
Bis (2-ethylhexyl) phthalate (DEHP) (CAS No.117-81-7)	N.D.	15	1000
Diisobutyl phthalates (DIBP) (CAS No.84-69-5)	N.D.	15	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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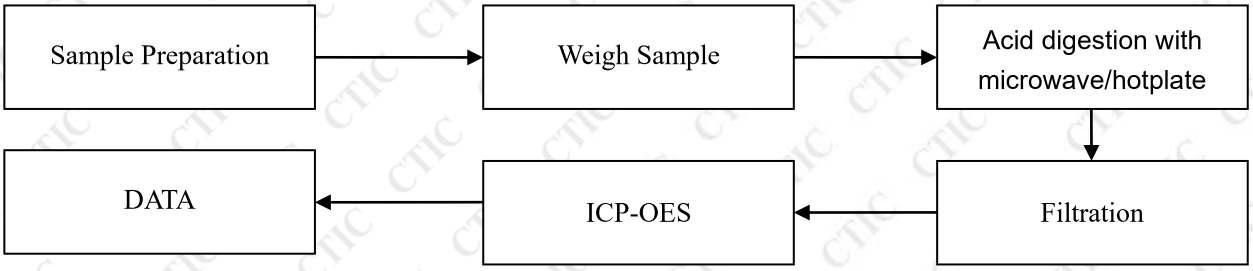
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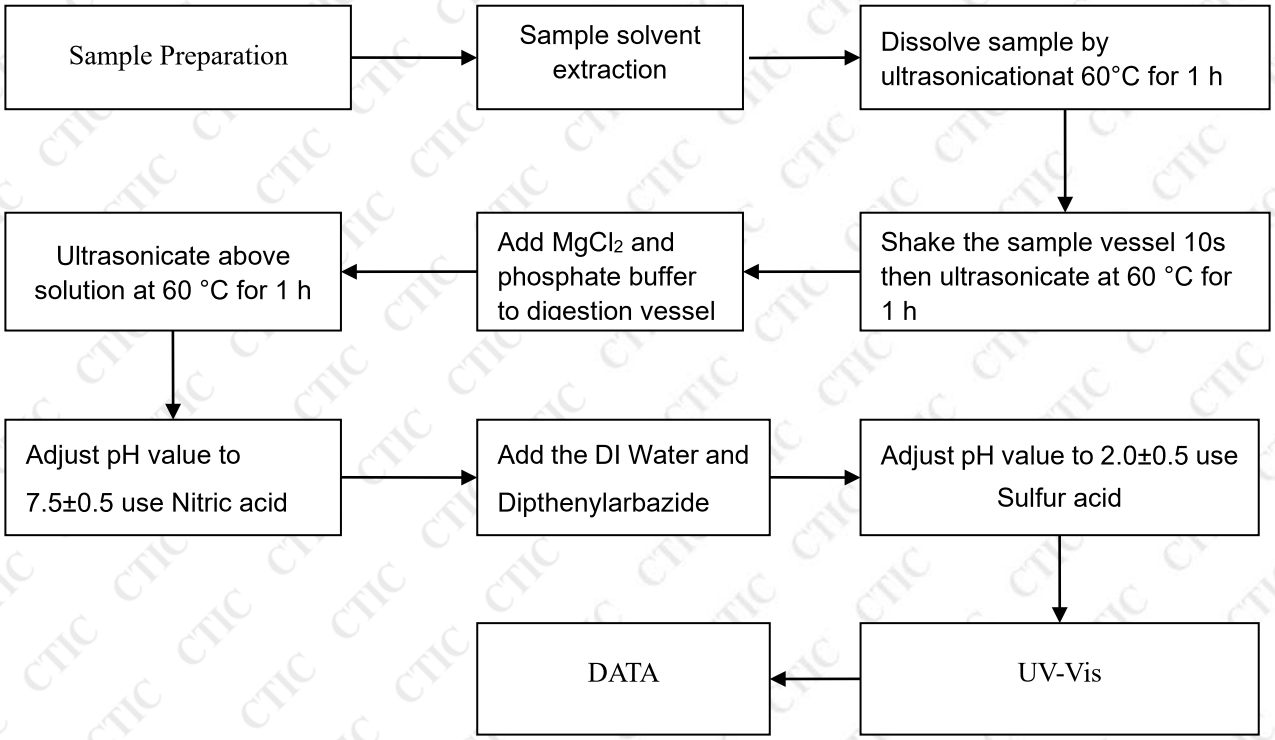
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Test Process Flow:

1. Lead, Cadmium, Mercury



2. Hexavalent Chromium(Non-metal) - ABS, PC and PVC

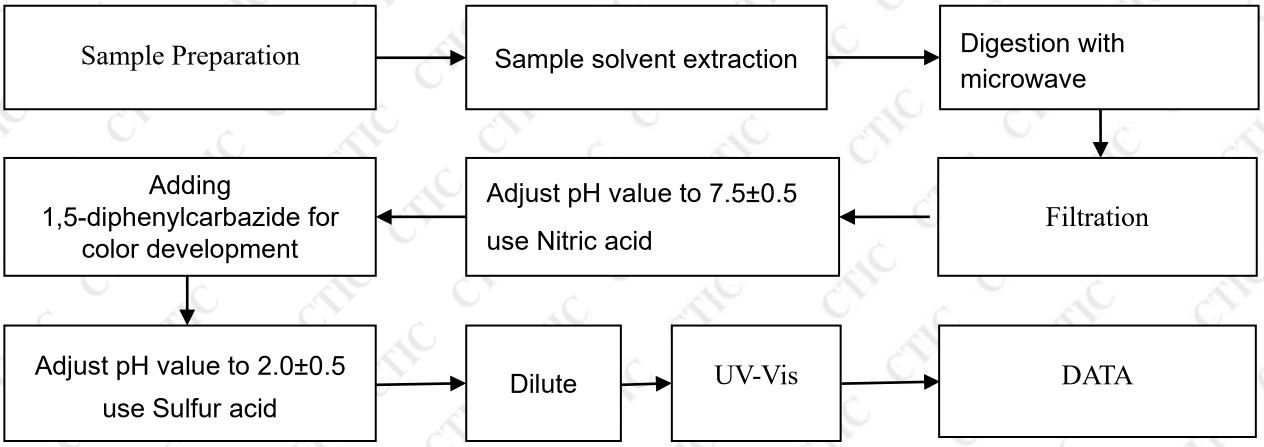


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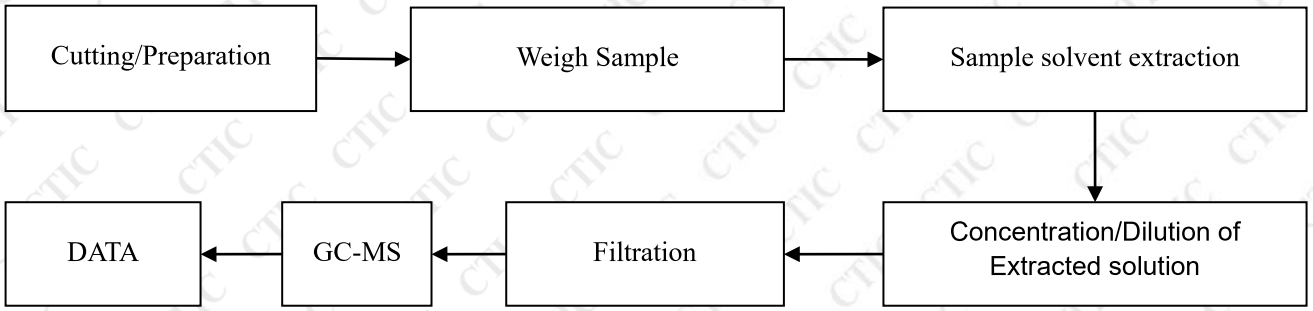
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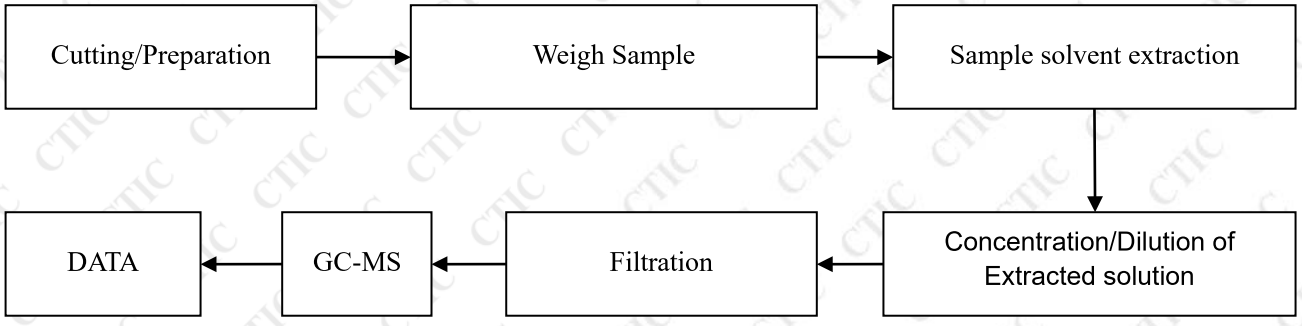
Hexavalent Chromium(Non-metal) – Others



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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Test Component List

The following components apply only to the samples submitted for testing

Component No.	Description	Location
1	Transparent film	Shrinkle film

Photo(s) of Sample(s):



End of Report

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