TEST REPORT

Report No. : **(8225)136-0009-009**

Date Issued : 2026. 01. 05

Company Name : KOSTIC FORMTEC CO., LTD.

Address : 120, LG-ro 360beon-gil, Wollong-myeon, Paju-si, Gyeonggi-do, Republic of Korea

Sample Description

Name / Type of Product : Release Film 2
Item No. / Part No. : KNX, KSR Release Film
Material/Color : PET, Si
Manufacturer/Vendor : -

Date Received : 2025. 12. 22
Test Period : 2025. 12. 22 ~ 2026. 01. 05

Test Type : Wet chemical analysis for restricted substances.
Test Site : Fixed Test Lab (RM908~915 126, Beolmal-ro, Dongan-gu, Anyang-si)
Test Method(s) : For the detail, please the following page(s).
Test Results(s) : For the detail, please the following page(s).

Authorized by

Bureau Veritas Korea Co., Ltd.
Consumer Product Services

JIN KIM
Lab Manager / Bureau Veritas Korea CPS

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Bureau Veritas CPS Korea
RM409, 8F RM901~902, RM908~915
(O-Biz tower) 126, Beolmal-ro, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Republic of Korea
Tel :+82.31.688.8000 Fax: +82.31.360.0276
Website: www.bureauveritas.co.kr/cps

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TEST RESULT

Heavy Metals

Test Item	Test Method	Unit	MDL	Result
Lead (Pb)	With reference to International Standard IEC 62321-5: 2013, Determined by ICP-OES.	mg/kg	5	ND
Cadmium (Cd)		mg/kg	0.5	ND
Mercury (Hg)	With reference to International Standard IEC 62321-4: 2013 +AMD1:2017CVS, Determined by ICP-OES.	mg/kg	2	ND
Chromium VI (Cr VI)	With reference to International Standard IEC 62321-7-2 2017, Determined by UV-Vis.	mg/kg	8	ND
Antimony(Sb)	With reference to US EPA3052, Determined by ICP-OES.	mg/kg	2	148
Beryllium(Be)		mg/kg	2	ND

Flame Retardants-PBBs/PBDEs

Monobromobiphenyl	With reference to International Standard IEC 62321-6: 2015, Determined by GC-MS.	mg/kg	5	ND
Dibromobiphenyl		mg/kg	5	ND
Tribromobiphenyl		mg/kg	5	ND
Tetrabromobiphenyl		mg/kg	5	ND
Pentabromobiphenyl		mg/kg	5	ND
Hexabromobiphenyl		mg/kg	5	ND
Heptabromobiphenyl		mg/kg	5	ND
Octabromobiphenyl		mg/kg	5	ND
Nonabromobiphenyl		mg/kg	5	ND
Decabromobiphenyl		mg/kg	5	ND
Monobromodiphenyl ether	With reference to International Standard IEC 62321-6: 2015, Determined by GC-MS.	mg/kg	5	ND
Dibromodiphenyl ether		mg/kg	5	ND
Tribromodiphenyl ether		mg/kg	5	ND
Tetrabromodiphenyl ether		mg/kg	5	ND
Pentabromodiphenyl ether		mg/kg	5	ND
Hexabromodiphenyl ether		mg/kg	5	ND
Heptabromodiphenyl ether		mg/kg	5	ND
Octabromodiphenyl ether		mg/kg	5	ND
Nonabromodiphenyl ether		mg/kg	5	ND
Decabromodiphenyl ether		mg/kg	5	ND

Note / Key :

mg/kg = milligram(s) per kilogram = ppm = part(s) per million
ug/cm^2 = Microgram per square centimeter
MDL = Method detection limit
ND = Not detected
NA = Not applicable

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TEST RESULT

Phthalates

Test Item	Test Method	Unit	MDL	Result
Dibutyl phthalate (DBP)	With reference to IEC 62321-8: 2017, Determined by GC-MS & LC-MS.	mg/kg	50	ND
Bis(2-ethylhexyl) phthalate (DEHP)		mg/kg	50	ND
Diisobutyl phthalate (DIBP)		mg/kg	50	ND
Benzyl butyl phthalate (BBP)		mg/kg	50	ND

Note / Key :

mg/kg = milligram(s) per kilogram = ppm = part(s) per million
MDL = Method detection limit
ND = Not detected
NA = Not applicable

List of Phthalates [European Parliament and Council Directive 2011/65/EU] :		
No.	**Name of Analyte(s)**	**CAS-No.**
1	Dibutyl phthalate (DBP)	84-74-2
2	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
3	Diisobutyl phthalate (DIBP)	84-69-5
4	Benzyl butyl phthalate (BBP)	85-68-7

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TEST RESULT

Halogen Content

Test Item	Test Method	Unit	MDL	Result
Bromine (Br)	With reference to EN14582:2016, Determined by IC.	mg/kg	30	ND
Chlorine (Cl)		mg/kg	30	ND
Fluorine (F)		mg/kg	30	ND
Iodine (I)		mg/kg	30	ND

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NA = Not applicable

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Photo of the Submitted Sample

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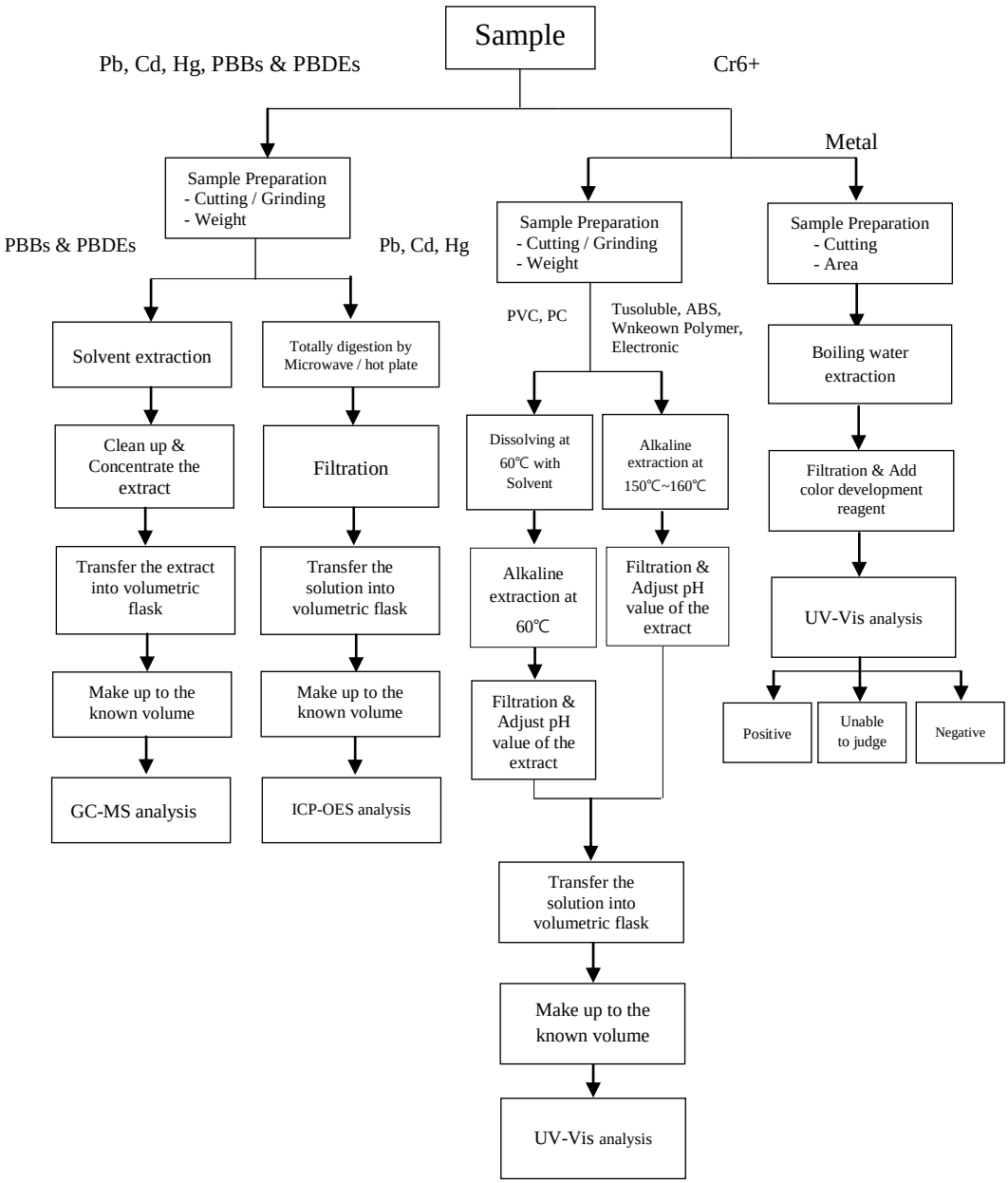
Test Flowchart of Heavy Metals and Flame Retardants Content [European Parliament and Council Directive 2011/65/EU] :



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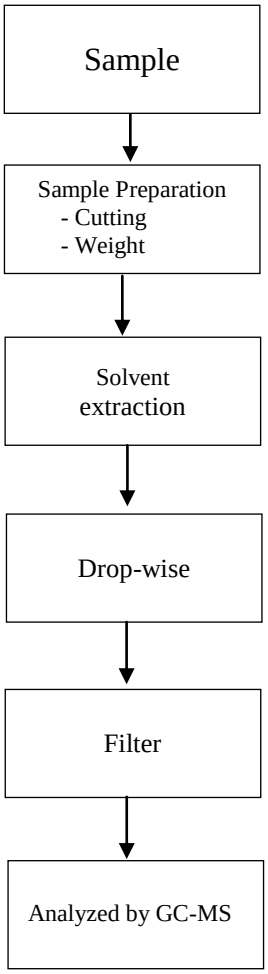
Test Flowchart of Phthalates Content



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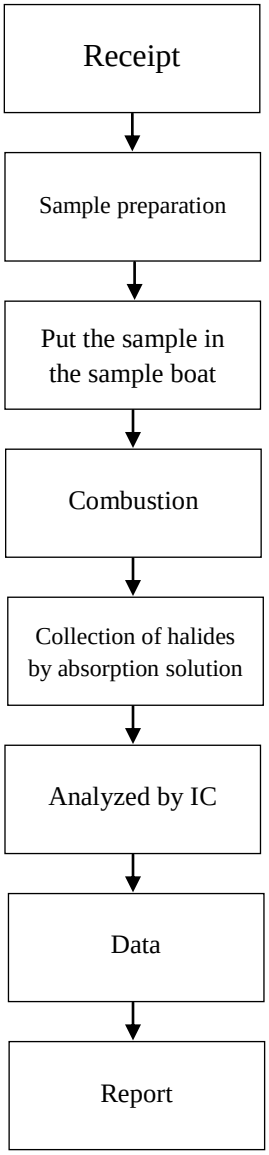
Test Flowchart of Halogen Content



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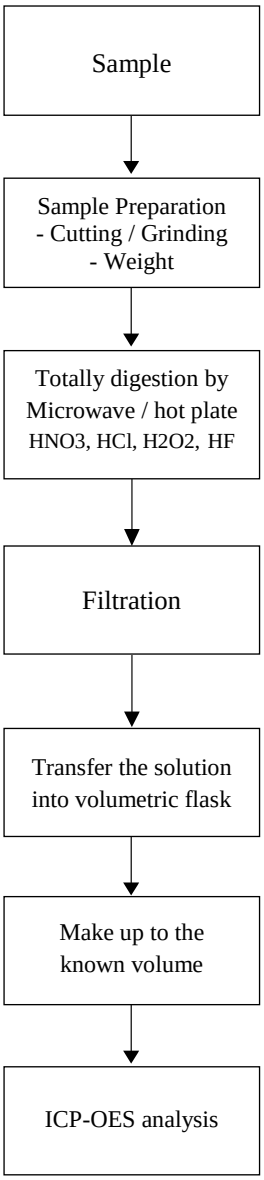
Test Flowchart of Inorganic Element Content



- End of Report -

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