Test Report No. F690101/LF-CTSAYHA26-03602

MOORIM SP CO., LTD.
205, Chimsan-ro
Buk-gu, Daegu
Korea

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

SGS File No.	:	AYHA26-03602
Sample Description	:	Coat Wood-Free Paper
Style no./Item no.	:	-
Order No.	:	-
Buyer	:	-
Manufacturer	:	-
Country of Origin	:	-
Country of Destination	:	-
Received Date	:	2026. 03. 03
Test Period	:	2026. 03. 03 to 2026. 03. 10
Test Method	:	For further details, please refer to following page (s)
Test Results	:	For further details, please refer to following page (s)
Result Summary	:	

Test Requested	Conclusion
Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2019/1922 - EN71-3:2019 + A2:2024 – Migration of certain elements (By first action method and confirmation test if necessary)	**See result**

Monet Jeong

Monet Jeong

Technical Manager / SGS Korea Co., Ltd

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Test Results :

Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2019/1922 - EN71-3: 2019 + A2:2024– Migration of certain elements

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2019 + A2:2024. Analysis of general elements was performed by ICP-OES and Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS. Organic Tin was analyzed by GC-MS.

Test Item		Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit EN71-3:2019 + A2:2024(mg/kg)
		1		
Mass of trace amount	(mg)	--	--	--
Soluble Aluminium	(Al)	314	50	28,130
Soluble Antimony	(Sb)	N.D.	10	560
Soluble Arsenic	(As)	N.D.	10	47
Soluble Barium	(Ba)	N.D.	50	18,750
Soluble Boron	(B)	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	5	17
Soluble Chromium (III)	(Cr (III))	N.D.	5	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	0.01	0.053
Soluble Cobalt	(Co)	N.D.	10	130
Soluble Copper	(Cu)	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	10	23
Soluble Manganese	(Mn)	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	10	930
Soluble Selenium	(Se)	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	4.9	180,000
Soluble Organic Tin	--	N.D.	--	12
Soluble Zinc	(Zn)	N.D.	50	46,000

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Test Item(s)		Soluble Organic Tin Result(s) (mg/kg)	Reporting Limit (mg/kg)
		1	
Dimethyl tin	(DMT)	N.D.	0.5
Methyl tin	(MeT)	N.D.	0.5
Di-n-propyl tin	(DProT)	N.D.	0.5
Butyl tin	(BuT)	N.D.	0.5
Dibutyl tin	(DBT)	N.D.	0.5
Tributyl tin	(TBT)	N.D.	0.5
n-Octyl tin	(MOT)	N.D.	0.5
Di-n-octyl tin	(DOT)	N.D.	0.5
Tetrabutyl tin	(TeBT)	N.D.	0.5
Diphenyl tin	(DPhT)	N.D.	0.5
Triphenyl tin	(TPhT)	N.D.	0.5

Sample Description :

1. White paper

Note. 1. mg/kg = milligram per kilogram
2. N.D. = Not Detected (< Reporting Limit)
3. 1 % = 10,000 mg/kg = 10,000 ppm
4. Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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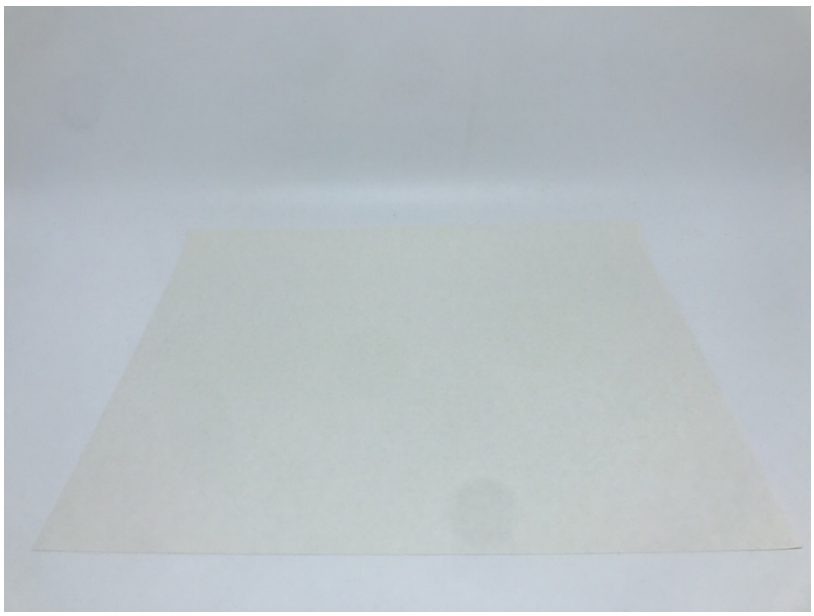
Picture of Sample as Received :



AYHA26-03602

*** End of Report ***

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