

TEST REPORT

Job No./Report No TR2009265

Date:14 October 2021

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MET KAGITCILIK SAN VE TIC AS

AKÇABURGAZ MAH. 1584. SOK. NO:7 ESENYURT

TEL: 05347993427

To the attention of Cihan Üstündaş

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

Sample No.	Sample Description
A	PE Laminated Cardboard

Client's reference No. : TR 2009265
Serial Lot No. : 3255-3012
Manufacturer : Met Kağıtçılık San. Ve Tic. A.Ş. / METPACK
Sample Receiving Date : 07 October 2021
Test Performing Period : 07 October 2021~14 October 2021

Overall Conclusion : **PASS**

Test Results : Please refer to the next page(s).

Performed Test Summary: Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result
Chemical tests	A1
FCM - Soluble Heavy Metals in Aqueous Test Simulants (3% Acetic Acid)	M

Remarks	M = Meets client's requirement
	F = Does not meet client's requirement
	I = Inconclusive
	* = No specified requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).
	Residual sample can be returned to client if requested.

The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

Mert Kurtuluş
Customer Services Supervisor

Bora Şirinbilek
Hardline & CPCH Testing Services Manager




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Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	PE Laminated Cardboard	A1	Coated main	Plastic	Transparent

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Plastic – Specific Migration of Heavy Metals²

Method: With reference to EN 13130-1:2004 and SGS In House Method RSTS-CHEM-602-1. Analysis was performed by ICP-MS / ICP-OES, cell method

Simulant Used: 3% acetic acid (w/v) in aqueous solution

Test Condition: 70°C for 2 hours (1st migration);

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	A1		
	1 st migration		
Aluminium	ND	0.1	1
Antimony	ND	0.01	0.04
Arsenic	ND	0.01	0.01
Barium	ND	0.25	1
Cadmium	ND	0.002	0.002
Chromium	ND	0.01	0.01
Cobalt	ND	0.01	0.05
Copper	ND	0.25	5
Iron	ND	5	48
Lead	ND	0.01	0.01
Lithium	ND	0.1	0.6
Manganese	ND	0.1	0.6
Mercury	ND	0.01	0.01
Nickel	ND	0.01	0.02
Zinc	ND	0.5	5
Europium	ND	0.025	0.05
Gadolinium	ND	0.025	
Lanthanum	ND	0.025	
Terbium	ND	0.025	
Conclusion	PASS	--	--

Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with
 2. °C = degree Celsius
 3. ND = Not Detected
 4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark:

1. Test condition & simulant were specified by client.
2. The volume of simulant used is 0,1 L.
3. The ratio of surface area to volume ratio is 6 dm² per 1 kg of foodstuff in contact with

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