



ÇAPA ÇEVRE ANALYSIS LABORATORY

ANALYSIS REPORT



1.3

Type of Report: Private Request	Report Number: Ç22-378/YK-378 Date of Report: 15/04/2022
Analysis Requested by; Name: FREYA MELAMIN Authorized Person: İlgin ÇELİK / Sgs Supervise Gözetme Etüd Kontrol Serv. A.Ş. Manufacturer: FREYA MELAMIN Sender: FREYA MELAMIN Address: Mahmutbey, İstoç 11. Yol Sk. 9. Ada No:107, 34218 Bağcılar/İstanbul/TURKEY Offer Number: Ç22-YK-191	Sample Details; Name: Karma Sahan/Mixed Sahan Piece: 6 Pcs Temperature (°C): 25 °C Packing: Original Packing Type of Delivery: Cargo Date Received: 05/04/2022 Date Started: 05/04/2022 12:00 Date Finished: 15/04/2022 17:00

RESULT

	Name of Analysis	Result	Unit	Reference Ranges	Methods	Conformity
1	Appearance	Passed		shall possess a uniformly high gloss	GSO 142	Passed
2	Thickness	706,858	cm ²	-	GSO 142	Not Evaluated
	Handles	N/A	-	shall be 10 times the square value of the wall thickness	GSO 142	Not Evaluated
	Lips or rims	N/A	-	shall have a radius not less than 0,8 mm	GSO 142	Not Evaluated
	Capacity	N/A	-	shall not be less than the nominal one	GSO 142	Not Evaluated
3	Formaldehyde	N.D.	µg/ml	shall not	ISO 4614	Passed
4	Cure Test / Dye method ¹	Passed	-	shall appear not more than slight staining on the surface except at flash lines	GSO 142	Passed
5	Resistance To Boiling Water	Passed	-	No cracks	GSO 142	Passed
6	Resistance To Dry Heating ²	Passed	-	No cracks	GSO 142	Passed
7	Resistance to low temperature ³	Passed	-	shall not break	GSO 142	Passed
8	Water absorbance test	0,097	%	< 0,6	GSO 142	Passed
9	Warping	Passed	-	not warping	GSO 142	Passed
10	Marking	Passed	-	-Manufacturers' name or its trademark -Country of origin -Instructions for cleaning	GSO 142	Passed

Due to customer demand analyses results were interpreted according to Turkish Food Codex Food Contact Matter and Material Communiqué 2019/44 and Commission Regulation EU No: 10/2011, Reg. 1245/2020.

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- Extended measurement uncertainties are specified when weather and environmental conditions for customer demand or legal regulations.
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- Çapa Çevre Analysis Lab, accredited by IAS under registration number TL-789 for TS EN ISO 17025:2017 test laboratory.
- Measurement uncertainly have been calculated as expanded uncertainly (k=2) at 95 % confidence interval.
- Uncertainty of Measurement:U.M.
- Decision Rule: D.R. -h:hours – d:day
- LOQ: Limit of Quantification
- *: Accredited test
- N.D: Not Detected ¹:0.01% aqueous solution of Rhodamine B ²:75 ± 3 °C for 8 h then removed and allowed to cool ³:0°C and 7°C for 24 h ⁴:3 cycle 0°C: Celsius degree

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11. Overall Migration Test

Name of Analysis	Result	Unit	LOQ	U.M.	Reference Ranges	Methods	Conformity
Migration Test (50% Ethyl Alcohol) *Filling 70 °C, 2 h ⁴	N.D.	mg/dm ²	3,0	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test (95% Ethyl Alcohol) Filling 70 °C, 2 h ⁴	N.D.	mg/dm ²	3,0	± 0,11	≤ 60	TS EN 1186-14	Passed
Migration Test, Food Simuland B (3% acetic acid)* *Filling 70 °C, 2 h ⁴	4,0	mg/dm ²	3,0	± 0,13	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland D (Iso-octane) Filling 70 °C, 2 h ⁴	N.D.	mg/dm ²	3,0	± 0,10	≤ 60	TS EN 1186-14	Passed
Migration Test (50% Ethyl Alcohol) *Filling 40 °C, 10 d ⁴	N.D.	mg/dm ²	3,0	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test (95% Ethyl Alcohol) Filling 40 °C, 10 d ⁴	N.D.	mg/dm ²	3,0	± 0,11	≤ 60	TS EN 1186-14	Passed
Migration Test, Food Simuland B (3% acetic acid)* *Filling 40 °C, 10 d ⁴	4,2	mg/dm ²	3,0	± 0,13	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland D (Iso-octane) Filling 40 °C, 10 d ⁴	N.D.	mg/dm ²	3,0	± 0,10	≤ 60	TS EN 1186-14	Passed

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12. Specific Migration of Heavy Metal Test

Name of Analysis	Result 1	Result 2	Result 3	LOQ	Reference Ranges	Conformity
Aluminium (Al)	N.D.	N.D.	N.D.	0,008	< 1	Passed
Barium (Ba)	N.D.	N.D.	N.D.	0,007	< 1	Passed
Cobalt (Co)	N.D.	N.D.	N.D.	0,007	< 0,05	Passed
Copper (Cu)	N.D.	N.D.	N.D.	0,007	< 5	Passed
Manganese (Mn)	N.D.	N.D.	N.D.	0,007	< 0,6	Passed
Nickel (Ni)	N.D.	N.D.	N.D.	0,007	< 0,02	Passed
Iron (Fe)	N.D.	N.D.	N.D.	0,008	< 48	Passed
Lithium (Li)	N.D.	N.D.	N.D.	0,008	< 0,6	Passed
Zinc (Zn)	N.D.	N.D.	N.D.	0,010	< 5	Passed

3% Acetic acid, 70 °C, 2 hours
With reference to EN 13130-1

13. Specific Migration of Formaldeyde Test

Name of Analysis	Result 1	Result 2	Result 3	Unit	LOQ	Reference Ranges	Methods	Conformity
Formaldeyde	N.D.	N.D.	N.D.	mg/kg	1,5	< 15	LC-MS/UV-Vis	Passed

3% Acetic acid, 70 °C, 2 hours
With reference to EN 13130-1

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