



TURKISH REPUBLIC MINISTRY OF AGRICULTURE AND
FORESTRY
KALITE SİSTEM PRIVATE FOOD CONTROL
LABORATORY
ANALYSIS REPORT



AB-0125-T
9002021019677
08-21

Report Number : 9002021019677

Date : 31.08.2021

Reason of Analysis

PRIVATE REQUEST

Sample sent by

AKSEDEF PLASTİK SAN.TİC.LTD.ŞTİ.

Customer Code

-

Date and Number of Sampling Protocol

- / -

Date of Beginning and End of Analysis

06/07/2021 / 31/08/2021

Sample's

Type	PACKAGE (PET COEX PA PE FILM)
Package	CARGO BAG
Production and Expire Date	: - / -
Serial No / Lot No	- / -
Amount/Pieces	1 Adet
Trademark/Producer Name	/-
Code Number	: -
Veterinary Stamp	: -
Product Category	
Official Pap. Date of Sent Sam.	- / -
Date of Receipt	: 06/07/2021 12:58
Product/Rayon/Temperature Measured Sample	- / - °C
Acceptance	
Sample Number	-

2.10-F61 Rev.2

Analysis	Result	Limit Value		Conformity	Measurem. Limit	Recovery	Uncertainty of Analysis	
		Min	Max				Measurem.	Method
Aluminum Migration (ICP-MS)(*)	0.17 mg/kg		1 mg/kg	P	0.01 mg/kg			Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Copper Migration (ICP-MS)(*)	Not Detected		5 mg/kg	P	0.5 mg/kg			Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009



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Barium Migration (ICP-MS)(*)	Not Detected	1 mg/kg	P	0.05 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Bisphenol A (Acidic simulant)(*)	Not Detected	0.05 mg/kg	P	10 ppb	TS EN 14372, TS EN 14350-2, TS EN 1186-1, TFC 2019/44, TFC 2019/43
Bisphenol A (Aqueous simulant)(*)	Not Detected	0.05 mg/kg	P	10 ppb	TS EN 14372, TS EN 14350-2, TS EN 1186-1, TFC 2019/44, TFC 2019/43
Zinc Migration (ICP-MS)(*)	Not Detected	5 mg/kg	P	0.5 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Iron Migration (ICP-MS)(*)	Not Detected	48 mg/kg	P	0.5 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Cobalt Migration (ICP-MS)(*)	Not Detected	0.05 mg/kg	P	0.005 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009



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Lithium Migration (ICP-MS)(*)	Not Detected	0.6 mg/kg	P	0.005 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Manganese Migration (ICP-MS)(*)	Not Detected	0.6 mg/kg	P	0.005 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Nickel Migration (ICP-MS)(*)	Not Detected	0.02 mg/kg	P	0.005 mg/kg	Internal Method - ML-6.01-907 (AP (89)1, TFC 2019/44, TS EN 13130-1, TS EN ISO 17294-1, Anonymous 2009
Primer Aromatic Amins(*)	Not Detected	10 ppb	P	-	EUR 24815 EN 2011
Overall Migration (% 10 Ethanol)(*)	Not Detected	10 mg/dm ²	P	2 mg/dm ²	TS EN 1186-9, TS EN 1186-3
Overall Migration (% 20 Ethanol)(*)	Not Detected	10 mg/dm ²	P	2 mg/dm ²	TS EN 1186-9, TS EN 1186-3
Overall Migration (% 3 Acetic acid)(*)	Not Detected	10 mg/dm ²	P	2 mg/dm ²	TS EN 1186-9, TS EN 1186-3
Overall Migration (% 50 Ethanol)(*)	Not Detected	10 mg/dm ²	P	2 mg/dm ²	TS EN 1186-9, TS EN 1186-3
Overall Migration (Simulant E - Modified Polyphenylene Oxide)(*)	Not Detected	10 mg/dm ²	P	1.2 mg/dm ²	TS EN 14338, TS EN 1186-13, TS EN 1186-1, TFC 2019/44
Overall Migration (Vegetable Oil)(*)	Not Detected	10 mg/dm ²	P	3.4 mg/dm ²	TS EN 1186-1, TS EN 1186-2, TS EN 1186-6, TS EN 1186-8, COI/T.20 DOC.NO 33

¹ : Analysis conditions: 3% Acetic acid, 70°C, 2 hours

¹⁰ : Analysis conditions:Vegetable Oil (Similar D2), 40°C, 10 days

¹¹ : No reduction factor applied

¹² : Limit Reference: TFC 2019/44



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- ¹³ : Limit Reference: TFC 2019/44, Commission Regulation (EU) No: 10/2011
² : Immersion method was used in sample preparation.
³ : Analysis conditions: Distilled Water, 40°C, 10 days
⁴ : Analysis conditions: 10% Ethanol, 40°C, 10 days
⁵ : Immersion method was used in sample preparation.
⁶ : Analysis conditions: 20% Ethanol, 40°C, 10 days
⁷ : Analysis conditions: 3% Acetic acid, 40°C, 10 days
⁸ : Analysis conditions: 50% Ethanol, 40°C, 10 days
⁹ : Analysis conditions: Modified Polyphenylene Oxide (Tenax), 40°C, 10 days

Sample Note: 1- All information about the sample belongs to the enterprise.
2- The sample reached the laboratory in closed packaging belonging to the company.

Above-mentioned values have been determined from examinations and analysis

Note: 1- This report shall not be used in the executive-judicial processes and for advertising purposes.

2- This report with all parts is a whole, no part of this report can be used separately.

3- Results of analysis solely belong to sample mentioned above.

4- No copy or no publish without permission. The reports without signature and seal are invalid.

5- (*) marked analyzes were accredited.

6- Expanded measurement uncertainties and decision rule are specified in cases where customer demand or legal regulations require it. The declared expanded measurement uncertainty does not include sampling, it is the value found by multiplying the standard uncertainty with the expansion coefficient taken as k = 2 and provides 95% reliability.

7- Kalite Sistem Laboratuvarları A.Ş., operating as an experimental laboratory. A.Ş. has been accredited by TÜRKAK with the accreditation number AB-0125-T in accordance with TS EN ISO / IEC 17025 standard.

8- Turkish Accreditation Agency (TÜRKAK) signed a mutual recognition agreement with the European Accreditation Association (EA) and the Multilateral Agreement and the International Accreditation Association (ILAC) for the recognition of the test reports.

9- The laboratory has no responsibility for sampling. For this reason, uncertainties arising from sampling are not taken into account.

**Laboratory Manager
Burcu BASARAN
High Chemist**

**Samet SAĞLAM (By proxy)
Responsible of Instrumental Analysis Unit
Chemical Engineer**

**Responsible of Sample Accept. and Report
Arrangement Unit**

**Halil Can YILMAZ
Chemist**

Certify - 31.08.2021