



Test
TS EN ISO/IEC 17025
AB-0566-T

NANOLAB LABORATORY SERVICES

REPORT of EXAMINATION and ANALYSIS

AB-0566-T

G24-5300/0

03-24

Report No / Rev. No : G24-5300/0 **Report Date** : 05.03.2024
The Purpose of Analysis : Special Request
Sample Sent by : OREGO AMBALAJ SAN.VE TİC.A.Ş.
Address : OSMANGAZI MH. 2647. SK NO:5/1C
KIRAÇ, ESENYURT/İSTANBUL
Sample Name : PE COATED BOARD FOOD PACKAGING
Sample Quantity : 25 ADET/PCS **Sample Package** : -
Production Date : 19.02.2024 **Lot No.** : 103275
Temperature (°C) : 25 °C
Sample Acc. Date & Time : 23.02.2024 15:37
Analysis Start - Finish Date : 26.02.2024 - 01.03.2024

Analysis	Results	Method / Device	R (%)	E.U.(±)	LOQ	Limit	E
1-*Specific Migration-Phthalate (Migration) ⁽¹⁾⁽²⁾		BS EN 13130-1 Agilent App Note LC-MS/MS					P
1-*Phthalic Acid, Dibutyl Ester (DBP) (mg/kg)	Not Detected	BS EN 13130-1 Agilent App Note LC-MS/MS			0,015	≤ 0,3	P
2-*Phthalic Acid, Benzyl Butyl Ester (BBP) (mg/kg)	Not Detected	BS EN 13130-1 Agilent App Note LC-MS/MS			0,04	≤ 30	P
3-*Phthalic Acid, Bis(2-ethylhexyl) Ester (DEHP) (mg/kg)	Not Detected	BS EN 13130-1 Agilent App Note LC-MS/MS			0,4	≤ 1,5	P
4-*Diisodecyl phthalate (DIDP) (mg/kg)	Not Detected	BS EN 13130-1 Agilent App Note LC-MS/MS			0,4	DIDP+DINP ≤ 9	P
5-*Diisononyl phthalate (DINP) (mg/kg)	Not Detected	BS EN 13130-1 Agilent App Note LC-MS/MS			0,4	DIDP+DINP ≤ 9	P
2-*Specific Migration Assay-Primer Aromatic Amine (Migration) ⁽¹⁾⁽³⁾ (mg/kg)	Not Detected	EUR 24815 EN 2011 LC-MS/MS			0,002	Absent	P
3-*Specific Migration - Bisphenol A ⁽³⁾⁽⁴⁾ (mg/kg)	Not Detected	EN 14372, BS-EN 13130-13 HPLC-FLD	94,052		0,005	≤ 0,05	P

Nanolab Laboratuvar Hizmetleri Kimya Gıda Danışmanlık Çevre Eğitim San. ve Tic. Ltd. Şti. accredited by TÜRKAK under registration number AB-0566-T for TS EN ISO / IEC

İrfan ÜRKMEZ
ERMM Lab.
Manager
e-signed

Bülent TATLISÖZ
Manager of Sample
Accept. and Report

e-signed

Confirmable
05.03.2024
Yunus Emre YILMAZ
Lab. Manager

e-signed



This document has been electronically signed in accordance with the Electronic Signature Law No. 5070.

<https://eimza.nano-lab.com.tr/home/Index?privateCode=EAF86421&date=05.03.2024>





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17025 as test laboratory

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports

1. No part of the analysis report can not be used alone or separately.
2. This report can not be used in judicial-administrative proceedings and for advertising purposes.
3. Analysis results are valid for the above mentioned sample.
4. This report may not be partially copied or reproduced without the written permission of the laboratory.
5. Unsigned and unsealed reports are not valid.
6. The above mentioned values were determined as the result of the examination and analysis.
7. Decision Rule: The conformity statement has been made in favor of the producer using quantitative physical and chemical analyses without considering measurement uncertainty in microbiological, sensory, and qualitative analyses (Simple Acceptance Rule).
8. NI: Within the scope of the relevant legislation, no evaluation can be made for analyzes that do not have a limit value.
9. The analysis signed with "" are in the scope of accreditation.
10. The laboratory is not responsible for the information declared by the customer.
11. Abbreviations; E : Evaluation, P : Pass, F : Fail, N.I. : Not Interpreted, R : Recovery, E.U. : Expanded Uncertainty, LOQ : Limit of Quantification
12. Migration Determination was made as disposable by filling method at 40 ° C 10 days conditions with Food-Like B ⁽¹⁾
13. It Has Been Evaluated According to Regulation (EU) No 10/2011. ⁽²⁾
14. It has been evaluated according to the Turkish Food Codex Communiqué on Plastic Substances and Materials in Contact with Food. ⁽³⁾
15. Migration Determination was made for single use by filling method with Food Simulant B at 100°C, 1 hour. ⁽⁴⁾
17. Specific Migration -Primer Aromatic Amine not detectable at the limit of quantification / Name [LOQ] Accreditation status: LC-MS/MS (0,002) : *2,4,5-Trimethylaniline (2,4,5-TMA), *2,4-Diaminoanisole (4-M-m-PDA), *2,4-Diaminotolunene (2,4-TDA), *2,4-Dimethylaniline (2,4-DMA), *2,6-Dimethylaniline (2,6-DMA), *2-Methoxy-5-methylaniline (2-M-5-MA), *2-Methyl-m-phenylenediamine (2,6-TDA), *4,4'-Diaminodiphenylmethane (4,4'-MDA), *4,4'-Methylene-bis-(2-methyl-aniline) (4,4'-MDoT), *4,4'-Oxydianiline (4,4'-DPE), *4-Aminobiphenyl (4-ABP), *4-Chloro-2-methylaniline (4-CoT), *4-Chloroaniline (4-CA), *Aniline (ANL), *Benzidine (BNZ), *m-Phenylenediamine (m-PDA), *o-Anisidine (o-ASD), *o-Tolidine (3,3'-Dimethylbenzidine) (3,3'-DMB), *o-Toluidine (o-T), *p-Phenylenediamine (p-PDA)

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