Test Certificate No.7412204801/1

Issued under Section 12 of the Standards Law, 1953

This document cancels and replaces the test certificate No.7412204801 from the 30/04/2024

Details of order:

Name of customer:	SZP Advance Packaging Product LTD.
Address:	Shavi zion 2280600, Israel
Date order:	31-Mar-24

Sample Description as Declared:

Product:	Thermoforming product from semi rigid film PET- transparent ABA structure. Contains AntiBlock MB for PET, silicone coating, see in annex I.
Manufacturer:	SZP Advance Packaging Product LTD., Israel
Sampled by:	**Customer**

Sample received in lab:	31-Mar-24
Testing time:	from: 31-Mar-24 to: 18-Apr-24
Test requested:	Selected test(s) as requested by client
Test method:	Please refer to next page(s)
Test results:	Please refer to next page(s)

Nature of the test:

For compliance with EU Regulation 10/2011 as amended and with the requirements of Israeli Standard SI 5113 – “Plastic materials and plastic articles in contact with food and beverages”, Jan 2019

This document contains 5 pages and may use only in full.

The test results in this document refer only to the item tested.

This document does not constitute a license to mark the product with the standards mark

Conclusion:

For compliance with EU Regulation 10/2011 as amended and Israeli Standard SII 5113 (2019)	
1. Overall migration according to Regulation (EU) 10/2011	Comply
2. Specific migration of primary aromatic amines (PAAs) according to Regulation (EU) 10/2011 and Regulation (EU) 1245/2020	Comply
3. Specific migration of substances according to annex II, Regulation (EU) 10/2011 and Regulation (EU) 1245/2020	Comply

** The reason for the changes- change product description*

The Rule of Decision policy of the laboratory is to use binary statement with guard band (w) equal to the Uncertainty (U) of measurement. thus, providing specific risk with probability of false Rejection not greater than 2.5% approximately.

Certified by:

Gadi Efrati
Head of Food Contact Materials Section

Evyatar Elmaleh
Practical Engineer

Date:01/05/2024

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Description: *PET packaging clear*

Any long-term storage at room temperature or below, including when packaged under hot-fill conditions, and/or heating up to a temperature T where 70 °C ≤ T ≤ 100 °C for a maximum of t = 120/2^((T-70)/10) minutes.

1- Overall Migration Protocol -OM2- single use test

Selection of test conditions as specified to Regulation 10/2011 Annex III, V.

Selection of test method: EN 1186-1. **S/V = 1dm^2/100ml**

Tested sample	*Food Simulants*	*Test conditions*	*Results, mg/sq. dm*	*Limit, mg/sq. dm*
PET packaging clear	*A- Ethanol 10%*	*10 days at 40°C*	*<1*	*10*
PET packaging clear	*B- Acetic acid 3%*	*10 days at 40°C*	*<1*	*10*
PET packaging clear	*D2- Ethanol 95 %*	*10 days at 40°C*	*<3*	*10*
PET packaging clear	*D2- Isooctane*	*2 days at 20°C*	*<3*	*10*

The Film was investigated for the overall migration into 95% Ethanol and Isooctane according to the EN 1186-14

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2- Specific migration of Primary aromatic amines (PAAs)- according to Regulation (EU) 10/2011				
Method: UNI EN 13130-1:2005 + JRC-IHCP EU RL-FCM Aromatic amines Protocol a Ed.1 2011 (LC/MS) **Test conditions**: Acetic acid 3%- 40°C for 10 days.				
Chemical parameters	***CAS Number***	***Limit, mg/kg***	***MDL, mg/kg***	***Results, mg/kg***
Specific migration of sum of Primary aromatic amines	-	*0.01*	*0.01*	*<0.01*
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	*101-14-4*	*0.002*	*0.002*	*ND*
2,4,5-trimethylaniline	*137-17-7*	*0.002*	*0.002*	*ND*
2-Methoxyaniline, o-Anisidine	*90-04-0*	*0.002*	*0.002*	*ND*
2-naphthylamine	*91-59-8*	*0.002*	*0.002*	*ND*
3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	*91-94-1*	*0.002*	*0.002*	*ND*
3,3'-dimethoxybenzidine o-dianisidine	*119-90-4*	*0.002*	*0.002*	*ND*
3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	*119-93-7*	*0.002*	*0.002*	*ND*
4,4'-methylenedi-o-toluidine	*838-88-0*	*0.002*	*0.002*	*ND*
4,4'-oxydianiline	*101-80-4*	*0.002*	*0.002*	*ND*
4,4'-thiodianiline	*139-65-1*	*0.002*	*0.002*	*ND*
4,4'-Methylenedianiline (MDA)	*101-77-9*	*0.002*	*0.002*	*ND*
4-Aminoazobenzene	*60-09-3*	*0.002*	*0.002*	*ND*
4-chloro-o-toluidine	*95-69-2*	*0.002*	*0.002*	*ND*
4-chloroaniline	*106-47-8*	*0.002*	*0.002*	*ND*
4-methoxy-m-phenylenediamine	*615-05-4*	*0.002*	*0.002*	*ND*
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	*95-80-7*	*0.002*	*0.002*	*ND*
5-nitro-o-toluidine	*99-55-8*	*0.002*	*0.002*	*ND*
6-methoxy-m-toluidine (p-cresidine)	*120-71-8*	*0.002*	*0.002*	*ND*
Benzidine	*92-87-5*	*0.002*	*0.002*	*ND*
4-aminobiphenyl	*92-67-1*	*0.002*	*0.002*	*ND*
o-aminoazotoluene,4-amino-2',3-dimethylazobenzene,4-o-tolylazo-o-toluidine	*97-56-3*	*0.002*	*0.002*	*ND*
o-toluidine,2-aminotoluene	*95-53-4*	*0.002*	*0.002*	*ND*
ND= Not Detected (<MDL); MDL=Method Detection Limit;				

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3- Specific migration of substances according to Regulation (EU) 10/2011 and Regulation (EU) 1245/2020			
Selection of test method: EN 13130-1 and sample preparation in acetic acid 3% v/v at 40°C for 10 days. As specified in Regulation (EU) No. 10/2011 ANNEX II. Method: ICP-MS			
Substances	***SML, mg/kg***	***MDL, mg/kg***	***Results, mg/kg***
Aluminum (Al)	*1*	*0.02*	*ND*
Antimony (Sb)	*0.04*	*0.015*	*ND*
Arsenic (As)	*0.01*	*0.002*	*ND*
Barium (Ba)	*1*	*0.020*	*ND*
Cadmium (Cd)	*0.002*	*0.002*	*ND*
Chromium (Cr)[1]	*0.002*	*0.01*	*ND*
Cobalt (Co)	*0.05*	*0.002*	*ND*
Copper (Cu)	*5*	*0.100*	*ND*
Zinc (Zn)	*5*	*0.100*	*ND*
Iron (Fe)	*48*	*0.2*	*ND*
Lead (Pb)	*0.01*	*0.01*	*ND*
Lithium (Li)	*0.6*	*0.01*	*ND*
Manganese (Mn)	*0.6*	*0.01*	*ND*
Mercury (Hg)	*0.002*	*0.002*	*ND*
Nickel (Ni)	*0.02*	*0.002*	*ND*
Terbium (Tb)[2]	*0.05*	*0.005*	*ND*
Lanthanum (La)[2]			
Europium (Eu)[2]			
Gadolinium (Gd)[2]			
Note: ppm=mg/kg (1,000 ppm=1,000 mg/kg=0.1%); SML = Specific Migration Limit. ND= Not Detected (<MDL); MDL=Method Detection Limit;			

1. *Less stringent limit of 3.6 mg/kg applies if pre-existing documentation demonstrates Cr (VI) is excluded.*
2. *Lanthanide substances can be used according to Article 6(3)(a) subject to SML is no more than 0.05 mg/kg for the sum of all lanthanide substances and the analytical evidence using a procedure demonstrating the lanthanide substance(s) used are present in dissociated ionic form in food or food simulant forms part of the documentation in Article 16.*

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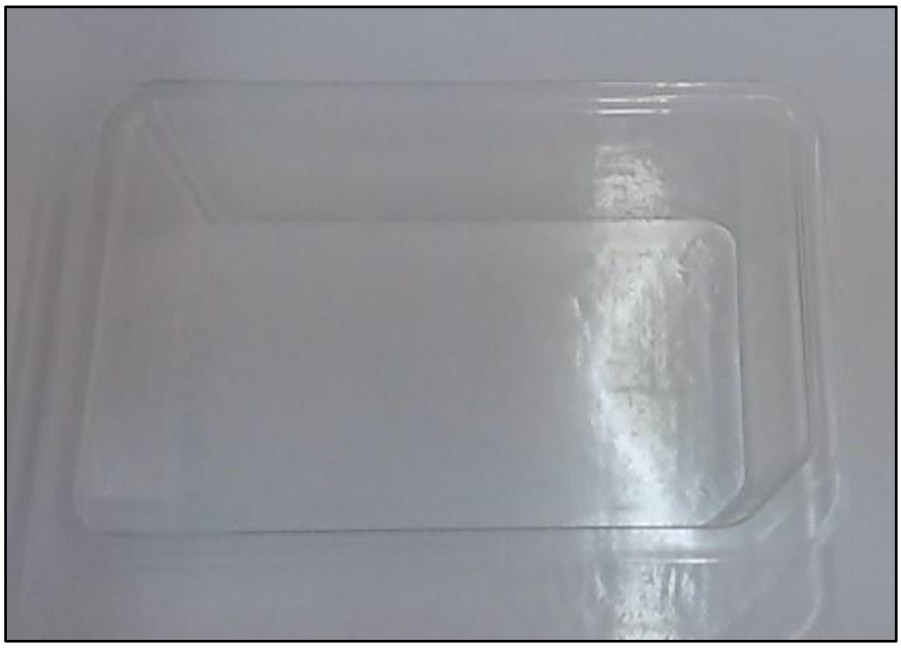
Annex I: Tested product

Tested product	***Picture***
PET packaging clear	

-End of Document-

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