Test Certificate No. 7112208393/1

Issued under Section 12 of the Standards Law, 1953

This document cancels and replaces the test certificate No. 7112208393 from the 31/08/2021

Details of order:

Order name:	MCP Performance Plastic Ltd
Address:	Kibbutz HAMAAPIL, Israel
Date order:	01/08/2021

Sample Description As Declared:

Products: **Sampled by: Customer**	CPET trays ITEM No.: 2018, 2092, 2638, 2216, 2511, 2218, 2500, 2038, 2318, 2016, 2035, 2034, 2036, 2591 2222, 2412, 2682, 2511, 2103, 2554, 2430. With the requirements of Israel Standard 5113 - "Plastic materials and plastic articles in contact with food and beverages", Jan 2019

Sample received in lab:	01-Aug-21
Testing time:	From: 8- Aug -21 To: 23-Aug-21
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)

This document contains 4 pages and may be used 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 Israel Standard SI 5113 (2019)	
1. Overall migration according to Regulation (EU) 10/2011	Comply
2. Specific migration of primary aromatic amines (PAAs) according to according to annex II, 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

* Rule of decision considering the uncertainty of the test based on the clause in the relevant standards.

Certified by:

Gadi Efrati
Head of Food Contact Materials Section

Naor Cohen
Head of Chemistry, Food and Water Branch

THE STANDARDS INSTITUTION OF ISRAEL THE FOOD AND WINE LABORATORY

Date: 29/09/2021

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate Number: AT-2045

ilac-MRA

Chemistry, Food and Water Branch, 42 Chaim Levanon St, Tel Aviv 6997701 Israel,
Tel: 972-3-6465138, Fax: 972-3-6465036, E-mail: for food: food@sii.org.il, for wine: wine@sii.org.il, for food contact materials: fcm@sii.org.il, for water: water@sii.org.il, www.sii.org.il

Test Certificate No.7112208393/1

Issued under Section 12 of the Standards Law, 1953

Description: *CPET trays*

Aqueous, acidic, oily and dry High temperature applications up to 121 °C (OM5) and 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 and High temperature applications (OM2,OM3,OM4,OM7).

1- Overall Migration Protocol

Selection of test conditions as specified to Regulation 10/2011 Annex III, V;
Selection of test method: EN 1186-1

Tested sample	*Food Simulants*	*Test conditions*	*Extractives, mg/sq. dm*	*Limit, mg/sq. dm*
CPET trays	*A- Ethanol 10 %*	*4 hours at 100°C*	*<1*	*10*
CPET trays	*B- Acetic acid 3%*	*4 hours at 100°C*	*<1*	*10*
CPET trays	*D2- Ethanol 95 %*	*6 hours at 60°C*	*<1*	*10*
CPET trays	*D2- Isooctane*	*4 hours at 60°C*	*<1*	*10*
CPET trays	*E- TENAX (MPPO)*	*2 hours at 175 °C*	*<1*	*10*

The sample was investigated for the overall migration into 95% ethanol according to the EN 1186-14

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.
Test conditions*: Acetic acid 3% - 100°C for 4 hours.*

Chemical parameters	*Limit, mg/kg*	*MDL, mg/kg*	*Results, mg/kg*
Sum of Primary aromatic amines	*0.01*	*0.002*	*<0.01*
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	*<0.002*	*0.002*	*ND*
2,4,5-trimethylaniline	*<0.002*	*0.002*	*ND*
2-Methoxyaniline, o-Anisidine	*<0.002*	*0.002*	*ND*
2-naphthylamine	*<0.002*	*0.002*	*ND*
3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	*<0.002*	*0.002*	*ND*
3,3'-dimethoxybenzidine o-dianisidine	*<0.002*	*0.002*	*ND*
3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	*<0.002*	*0.002*	*ND*
4,4'-methylenedi-o-toluidine	*<0.002*	*0.002*	*ND*
4,4'-thiodianiline	*<0.002*	*0.002*	*ND*
4,4'-Methylenedianiline (MDA)	*<0.002*	*0.002*	*ND*
4-Aminoazobenzene	*<0.002*	*0.002*	*ND*
4-chloro-o-toluidine	*<0.002*	*0.002*	*ND*
4-chloroaniline	*<0.002*	*0.002*	*ND*
4-methoxy-m-phenylenediamine	*<0.002*	*0.002*	*ND*
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	*<0.002*	*0.002*	*ND*
5-nitro-o-toluidine	*<0.002*	*0.002*	*ND*
Benzidine	*<0.002*	*0.002*	*ND*
4-aminobiphenyl	*<0.002*	*0.002*	*ND*
o-aminoazotoluene,4-amino-2',3-dimethylazobenzene,4-o-tolylazo-o-toluidine	*<0.002*	*0.002*	*ND*

** (Not accredited test by ANAB)*

Test Certificate No.7112208393/1

Issued under Section 12 of the Standards Law, 1953

3-Specific migration of substances according to Regulation (EU) 10/2011
Selection of test method: EN 13130-1 and sample preparation in 3 w/w % acetic acid at 100°C for 4 hours
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*	*0.025*	*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*	*0.002*	*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*	*0.002*	*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)[3]			

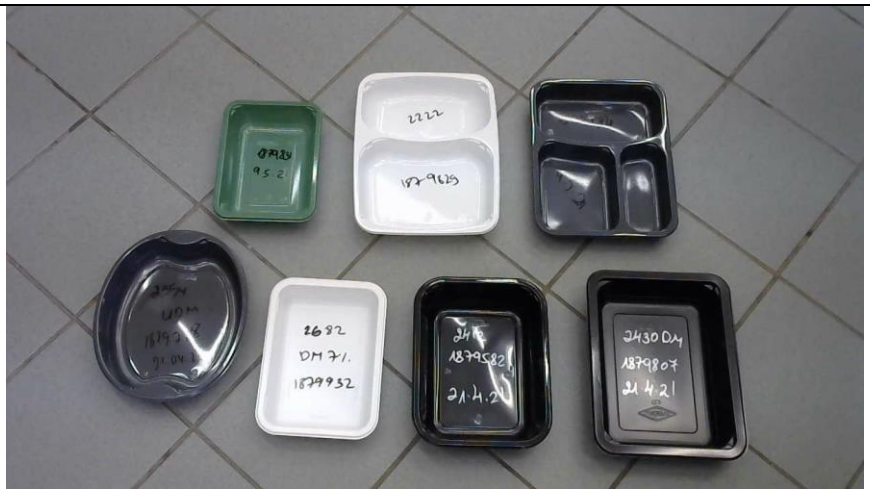
Note:
ppm=mg/kg (1,000 ppm=1,000 mg/kg=0.1%); SML = Specific Migration Limit;
ND= Not Detected (<MDL); MDL=Method Detection Limit;

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.*

Test Certificate No.7112208393/1

Issued under Section 12 of the Standards Law, 1953

ANNEX - TESTED SAMPLE

Materials	***ITEM***	***SAMPLE***
CPET	2018 2092 2638 2216 2511 2218 2500 2038 2318 2016 2035 2034 2036 2591 2222 2412 2682 2511 2103 2554 2430	

-End of Document-