



Test Certificate No.9812206383

Issued under Section 12 of the Standards Law, 1953

Details of order:

Order name:	NANO-Z COATING LTD.
Address:	Shedlovski 1, Yavne
Date order:	26/06/2018

Sample Description As Declared:

Products:	ESP-700		
Sampled by:	Customer		
Sample received in lab:	26-Jun-18		
Testing time:	From: 27-Jun-18	To: 05-Jul-18	
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 2 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 (EC) No 10/2011 as amended and Israeli Standard 5113:	
1. Overall migration of extractives from packaging using solvents simulating types of foodstuffs	Comply
2. Specific migration of heavy metals	Comply
3. Specific migration of Bisphenol A (BPA)	Comply
4. Specific migration of Primary aromatic amines (PAA)	Comply

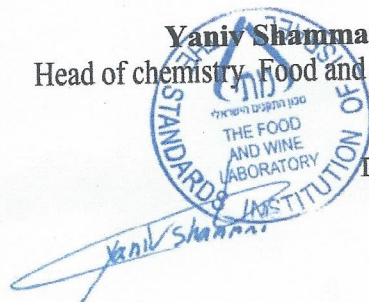
Certified by:

Gadi Efrati
Head of Food Contact Material Section

Yaniv Shammai
Head of chemistry Food and Water Branch



Certificate Number: AT-2045



Date: 09/07/2018



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1- Overall Migration Protocol -OM3

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
ESP-700	A	2 hours at 70°C	2.3	10
ESP-700	B	2 hours at 70°C	9.0	10
ESP-700	D2 (Ethanol 95%)	2 hours at 60°C	<1	10
ESP-700	D2 (Iso-Octane)	2 hours at 60°C	<1	10

2-Specific migration of metals according to Regulation (EU) 10/2011

Selection of test method: EN 13130-1 and sample preparation in 3% w/w acetic acid at 70°C for 2 hours.
Method: ICP-AES (inductively argon coupled plasma emission spectroscopy)

Soluble metal	SML, ppm	MDL, ppm	Results, ppm
Barium	1	0.1	ND
Cobalt	0.05	0.05	ND
Copper	5	0.1	ND
Iron	48	1	ND
Lithium	0.6	0.1	ND
Manganese	0.6	0.1	ND
Zinc	5	0.5	ND
Aluminum	1	0.1	ND
Nickel	0.02	0.01	ND

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;

3- Specific migration of Bisphenol A (BPA)

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/kg	Limit, mg/kg
ESP-700	Acetic acid 3%	2 hours at 70°C	<0.02	0.05

4- Specific migration of Primary aromatic amines (PAA)- according to Regulation (EU) 10/2011

As specified in Regulation (EU) No. 10/2011 ANNEX III and V. Method: In house method

Tested sample	Food Simulants	Test conditions	Extractives, mg/kg	Limit, mg/kg
ESP-700	Acetic acid 3%	2 hours at 70°C	ND	0.01

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