



ISRAEL PLASTICS & RUBBER CENTER (IPRC)



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Mapal Plastics Ltd

Kibbutz Mavo Hama 12934, Israel

Contact person Mrs Gabriela Roman

Food Contact Plastics - Certificate

Test report No R/ 1106

Date 26-May-2013

Subject: Code of Federal Regulations (CFR 21) USA-FDA and Israel Standard 5113

Sample Description As Declared

Product Name	Cutting board-Tray		Sampled by Customer
Material	Polypropylene + Colorant masterbatch (less than 2%)		
Colors:	White		
	Red		
	Yellow		
	Green		
	Black		

Typical use Aqueous, acidic and fatty foodstuffs
 Arrival in lab: 12-May-13 Processing time: 12-May-13 to 23-May-13

Test requested

Resinous and polymeric coatings - For compliance with 21 CFR part 175.300(c)1 - Table 2 for use as a coating in contact with Type II, V, VIC Foods under condition E (room temperature filled and stored) and Israel Standard 5113

Assessment of General composition (formulation) of product.

Product data: Additionally, IPRC have carried out an audit on the formulation of the above product. Components are known to the testing laboratory. Due to secrecy agreements with the raw material supplier these substances are not allowed to be named. The above product contains resins and additives that are approved for use for food contact and are listed in Regulation 10/2011. Additionally, the resin contains low levels of colorants which are not subject to the listing requirements of Regulation 10/2011. The product therefore also meets the safety requirements laid out in Art III of EU Regulation 1935/2004 under the above conditions of use.

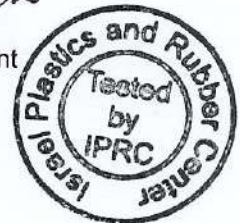
Conclusion

The submitted samples comply with 21 CFR 175.300 (c) Table 2 requirements for repeated use and Israel Standard 5113

Dr. Moshe Rakhman
Polymer Chemist

Approved by:

Tehila Feiglin
 Head of Department



The test results relate only to the item(s) tested

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Migration results with reference to 21 CFR 175.300

Requirements per 21 CFR 175.300 for:

repeated use non-containers: Max 18 mg/sq.in of the food contact surface

The sample was subjected to the extraction test outlined in 21 CFR 175.300 (e) Table 2, Condition E.

	Extractant	Test conditions	Extractives, mg/sq. inch	Limit, mg/sq.incl
White	Water	24 hrs at 120oF	<0.1	18
	Heptane	30 min at 70oF	<0.1	18
Red	Water	24 hrs at 120oF	<0.1	18
	Heptane	30 min at 70oF	<0.1	18
Yellow	Water	24 hrs at 120oF	<0.1	18
	Heptane	30 min at 70oF	<0.1	18
Green	Water	24 hrs at 120oF	<0.1	18
	Heptane	30 min at 70oF	<0.1	18
Black	Water	24 hrs at 120oF	<0.1	18
	Heptane	30 min at 70oF	<0.1	18

Remarks: Analytical Tolerance for extractant - 0.1 mg/in²;

Transfer of colorants to the simulants used at the given conditions was not observed

Polyolefin properties with reference to FDA 21 CFR 177.1520

	Result	Max. Limit,
Density (by sink-float method), g/cm ³	0.89	0.88-0.91
Melting point (DSC curve), oC	161	150-180