



## Test report

### Determination of the overall migration from with oil impregnated wooden plates

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Client:	Osmo Holz und Color GmbH & Co. KG D - 48155 Münster
Order No.:	PA/4185/10
Date of Order:	8.3.2010
Date of sample receipt:	8.3. and 17.3.2010
Testing period:	23.3. – 30.3.2010
Sample storage:	No remaining test material.
Total pages of report:	3

The results relate only to the investigated samples.



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## 1 Test material

The client provided the following test material:

- Circular wooden plates with a diameter of approx. 10 cm and a thickness of approx. 2 mm, which are impregnated with "Osmo TopOil" on both sides.

The oil is used for the impregnation of kitchen worktops and table tops. Thus, it can be in direct contact with all types of food, usually in short term contact.

## 2 Methods

### 2.1 Determination of the overall migration into aqueous food simulants

Method:	European Standard EN 1186-5 (migration cell)
Simulant:	3 % acetic acid
Time and temperature:	24 hours / 40 °C
Contact area / volume:	0.44 dm <sup>2</sup> / 50 ml

### 2.2 Determination of the overall migration into isooctane as alternative test for determining overall migration into olive oil

Method:	European Standard EN 1186-14 (migration cell)
Simulant:	isooctane
Time and temperature:	24 hours / 40 °C
Contact area / volume:	0.44 dm <sup>2</sup> / 50 ml

### 3 Results

The results of the overall migration tests are given in mg/dm<sup>2</sup> contact area as mean values. The single values are given in italics.

Simulant	Area related migration [mg/dm <sup>2</sup> ]
3 % acetic acid	2.9 ( <i>3.7 / 2.5 / 2.6</i> )
isooctane	5.0 ( <i>4.5 / 5.2 / 5.2</i> )

### 4 Food regulatory assessment

The overall migration limit is 10 mg/dm<sup>2</sup> contact surface or 60 mg/kg food simulant, respectively, according to Art. 2 EU Plastics Directive 2002/72/EC (last amendment by Regulation (EC) 975/2009) and to § 8 (2) German Bedarfsgegenständeverordnung (lastly amended 23.9.2009).


The analytical tolerance of the method is  $\pm 2$  mg/dm<sup>2</sup> for aqueous simulants and  $\pm 3$  mg/dm<sup>2</sup> for the alternative fat simulant isooctane.

The investigated, impregnated, wooden plates ("Osmo TopOil") are in compliance with the overall migration limit in short term contact (up to 24 h) with all types of food at room temperature.


### 5 Signatures

Fraunhofer Institute  
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Freising, 8.4.2010



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(Dep. Head of Migration Laboratory)



Angelika Berghammer  
(Examiner)



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