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Date
July 09, 2012
your ref.
Bucket, DOW C705
Our ref.
G16308/JH/

Test report – Migration

Sample material

Identification	One sample to be tested for overall and specific migration
Sample receipt	June 11, 2012
Number / type	1 sample identified as: Lab no. G1630801: Bucket; Material: DOW C705-44NA HP polypropylene
Analytical period	June 12 – July 09, 2012

Applied methods

Method nor.	Parameter	Principle	Limit of detection	U _m (%) ①
EN 1186-3	Overall migration	Exposure to 50% ethanol by total immersion. Gravimetric determination	1 mg/dm ²	20%
EN1186-3	Migration preparation	Exposure to isooctane by total immersion.	-	-
EN 13130	*Atmer 163	Solvent dissolution and determination by GC/MS	0.6 mg/kg	20%

The migration was performed in accordance with EN 1186 part 3: *Test methods for overall migration into aqueous food simulants by total immersion.*

Principle

50% ethanol: The sample was exposed for 10 days at 40 °C by total immersion. At the end of the test period, the sample was removed from the food simulant. The simulant was then evaporated and the dry matter determined by weighing.

Isooctane: The sample was exposed for 48 hours at 20 °C. At the end of the test period, the sample was removed from the food simulant. The simulant was then evaporated and the dry matter determined by weighing.

Specific migration: An aliquot of the food simulant is analysed for the specific compound as listed above.

The test was performed with triplicates.

① U_m (%): The expanded uncertainty U_m is equal to 2 x RSD%, see also www.eurofins.dk. Keyword: Uncertainty

* PM ref no 39090

Results

The sample **meets** the requirements in EU regulation No 10/2011 as amended by regulation No 321/2011 and No 1282/2011 on plastic material and articles intended to come into contact with food for the above mentioned test conditions.

Analytical results

The determined overall migration from the sample to the simulant is given in the table below. The result is an average of the three determinations. As described in the standard EN 1186 all results are given in total mg/dm².

Table 1: Overall migration.

Unit: mg/dm ² / Sample id: Simulant	Bucket; Material: DOW C705-44NA HP polypropylene				
	Single determinations			Average	OML value
50% ethanol	< 1	< 1	< 1	< 1	10

<: means less than

Table 2: Specific migration.

Unit: mg/kg / Sample id: Specific compound	Bucket; Material: DOW C705-44NA HP polypropylene			
	PM ref no.	Food simulant	Average	SML value
Atmer 163	39090	Isooctane	0.81	1.2

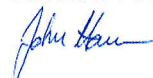
<: means less than

Conclusion:

The overall migration is well below the threshold value of 10 mg/dm².

The results show that the product tested **complies** with the requirements in EU regulation No 10/2011 as amended by regulation No 321/2011 and No 1282/2011 on plastic material and articles intended to come into contact with food for the above mentioned test conditions.

Eurofins Product Testing A/S



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