

DECLARATION OF COMPLIANCE

Scratch-free Scourer ⁽⁶⁾

Product description and codes:

S9051

Trade names: Hygiene, scratch-free scouring pad 115 x 80 x 22 mm pack of 4

Migration report

- A. Overall migration into aqueous simulant according to UNE-EN 1186-3 “Materials and articles in contact with foods – plastics part 3”
- B. Overall migration into alternative simulant according to UNE-EN 1186-14 “Materials and articles in contact with foodstuffs – plastics – part 14”.

Samples

Test Procedures

- A. Overall Migration into aqueous simulant

The determination of the overall migration is done according to UNE-EN 1186-3 “materials and articles in contact with foodstuffs-plastics-part 3: Test methods for overall migration into aqueous food simulant by total immersion” (November 2002)

Regulation 10/2011/EC on plastic materials and articles intended to come in to contact with food determines the migration test conditions to be applied in each kind of sample and application. The conditions for these tests samples are:

Table 1

Simulant	Exposure time	Exposure Temperature	Type of contact simulant/sample
B (Acetic Acid 3%)	2 hours	70°C ⁽¹⁾	Immersion
A Ethanol 10%)	3 x 2 hours	70°C ⁽¹⁾	Immersion

(1) Standardised testing conditions for any contact conditions that include heating up to 70°C for up to 2 hours, or up to 100°C for up to 15 minutes, which are not followed by a long term room or refrigerated storage.

(2) Tests made for repeated use (3 consecutive migrations for 2 hours)

- B. Overall migration into alternative oil simulant

The determination of the overall migration is done according to UNE-EN 1186-14 “Materials and articles in contact with foodstuffs-plastic=part 14: Test method for substitute tests for overall migration from plastics intended to come into contact with fatty foodstuffs using test media ISO-octane and 95% Ethanol” (January 2003)

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Regulation 10/2011/EC on “plastic materials and articles intended to come into contact with food determines the migration test conditions to be applied in each kind of sample and application. The conditions for these tests are”:

Table 2

Simulant	Exposure time	Exposure Temperature	Type of contact simulant/sample
D2 alternative (Iso-octane)	3 ⁽³⁾ x h hours ⁽⁴⁾	60°C ⁽⁴⁾	Immersion

(3) Tests made for repeated use (consecutive migration for 4 hours)

(4) Equivalent conditions to 2 hours 70°C into olive oil. Standardised testing conditions for any contact conditions that include heating up to 70°C for up to 2 hours, or up to 100°C for up to 15 minutes, which are not followed by a long term room or refrigerated storage.

Results

Overall migration

Scratch-free Scourer S9051 (14/1613/1)⁽⁶⁾

Table 3

Simulant	Test specimen				Mean Value (mg/dm ²)	Uncertainty (k = 2)
	1 (mg/dm ²)	2 (mg/dm ²)	3 (mg/dm ²)	4 (mg/dm ²)		
A (Ethanol 10%) 3 ^o exposure	5,1	4,7	4,4	4,8	4,8	±1,2
B (Acetic acid 3%)	6,2	5,9	6,0	5,3	5,8	±1,3
D2 alternative (Iso-octane) 3 rd exposure	2,6	2,2	2,7	2,5	2,5	±1,2

Results are expressed as mg of migrant per dm² of sample

NOTE: The ration of food contact surface area volume used in the tests to establish the compliance of the sample is 10,0 dm²/Kg

- According to Regulation 10/2011/EC the maximum overall migration limit for plastic materials and articles in contact with foodstuffs is 10 mg/dm².

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Annex

Summary

Sharkskin Scourer S9051 (14/1613/1) ⁽⁶⁾						
Test	Standard	Legislation	Units	Limit	Mean value	Conclusion (*)
Overall migration (Simulant A) 3 rd exposure	UNE-EN 1186-1 UNE-EN 1186-3	10/2011/EC	mg/dm ²	10	4,8 U=±1,2	OK
Overall migration (Simulant B)	UNE-EN 1186-1 UNE-EN 1186-3	10/2011/EC	mg/dm ²	10	5,8 U=±1,3	OK
Overall migration (Simulant D2, Iso-octane ⁽⁵⁾) 3 rd exposure	UNE-EN 1186-1 UNE-EN 1186-14	10/2011/EC	mg/dm ²	10	2,5 U=±1,2	OK

5. As this sample shows inference the determination of the overall migration in fatty food simulant has been made using the alternative fatty food simulant Iso-octane.

6. Referred as Maya Food sponge 22056 in original report.

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ENAC Ensayis N° 56/LE156

Report at -656/15

N°HOJA

NV-14-1613

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