

Alcoy, 14 November 2018

AITEX has carried out the tests for materials in contact with food in accordance with EU Regulation No. 10/2011 and Regulation 1935/2004 requested by the company Alicante Nonwovens, S.A.U. The standardized test conditions selected to simulate the contact with all types of food have been 10 days at 40 ° C (OM2). The results obtained are shown in the report: 2018TM1165.

The following table below summarizes the results of the sample analyzed.

Reference: NONWOVEN SM080SE15WHSQ401

Overall Migration Tests	Standard	Results ⁽¹⁾ (mg/dm²)		Requirement ⁽²⁾ (mg/dm²)
DETERMINATION OF THE OVERALL MIGRATION IN ACETIC ACID 3 % (Simulant B)	EN 1186-3:2002	2,9 ± 0,4		10
DETERMINATION OF THE OVERALL MIGRATION IN ETHANOL 10 % (Simulant A)	EN 1186-3:2002	1,6 ± 0,2		10
DETERMINATION OF THE OVERALL MIGRATION IN ETHANOL 95 % (Substitutive Simulant of D2)*	EN 1186-14:2002	<1		10
DETERMINATION OF THE OVERALL MIGRATION IN ISO-OCTANE (Subsitutive simulant of D2)*	EN 1186-14:2002	<1		10
Specific Migration Tests	Standard	Results (mg/Kg)		Requirement ⁽²⁾ (mg/Kg)
SPECIFIC MIGRATION OF METALS*	In-house Method	Ba	< 0.1	1
		Co	< 0.01	0.05
		Cu	< 0.1	5
		Fe	< 0.1	48
		Li	< 0.1	0.6
		Mn	< 0.1	0.6
		Zn	< 0.1	5
		Al	< 0.1	1 ⁽³⁾
Ni	< 0.1	0.02 ⁽⁴⁾		
DETERMINATION OF SPECIFIC MIGRATION OF FORMALDEHYDE *	In-house Method	<1		15
Other tests	Standard	Results		Requirement ⁽⁵⁾
TRANSFER OF ANTIMICROBIAL CONSTITUENTS*	EN 1104:2006 With Bacillus subtilis (ATCC 6633)	No zone of inhibition around probe		No zone of inhibition around probe
	EN 1104:2006 With Aspergillus niger (ATCC 6275)	No zone of inhibition around probe		



Other tests	Standard	Results	Requirement
SENSORY ANALYSIS: ODOUR*	UNI 10192:2000	1,8	3
SENSORY ANALYSIS: TASTE*	UNI 10192:2000	0,7	3

Remarks:

- (1) Average value ($n = 3$) $\pm$ U (extended uncertainty) for a probability of coverage of 95%.
- (2) Maximum migration limit according to Regulation (EU) no 10/2011 of the Commission of 14 January 2011.
- (3) Maximum permissible limits according to Regulation (EU) No 1416/2016 (6^o amendment of Regulation (EU) n^o 10/2011).
- (4) Maximum permissible limits will be effective from May 19, 2019 according to Regulation (EU) No 2017/752 (7^o amendment of Regulation (EU) n^o 10/2011).
- (5) Maximum specific migration limit according Recommendation XXXVI. Paper and board for food contact.
- In accordance with Regulation 10/2011 and Regulation (EU) No 2017/752 (8^o amendment of Regulation (EU) n^o 10/2011) Annex III point 4, the assignment of these simulants for demonstrates the conformity with the global migration limit is according to the following food categories:

FOODS COVERED	FOOD SIMULANTS IN WHICH TESTING SHALL BE PERFORMED
All types of food	1) Distilled water or water of equivalent quality or food simulant A (Ethanol 10%) 2) Food simulant B (Acetic acid 3%) 3) Food simulant D2 (Vegetal oil)
All types of food except for acidic foods	1) Distilled water or water of equivalent quality or food simulant A (Ethanol 10%) 2) Food simulant D2 (Vegetal oil)
All aqueous and alcoholic foods and milk products	Food simulant D1 (Ethanol 50%)
All aqueous, acidic and alcoholic foods and milk products	1) Food simulant D1 (Ethanol 50%) 2) Food simulant B (Acetic acid 3%)
All aqueous foods and alcoholic foods up to an alcohol content of 20 %	Food simulant C (Ethanol 20%)
All aqueous and acidic foods and alcoholic foods up to an alcohol content of 20 %	1) Food simulant C (Ethanol 20%) 2) Food simulant B (Acetic acid 3%)



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