

CROMOLOGY
C/ Francia 7, Pol. Ind. Llerona
08520 Barcelona
Spain

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

voc@eurofins.com
www.eurofins.com/voc-testing

Date
17 August 2017

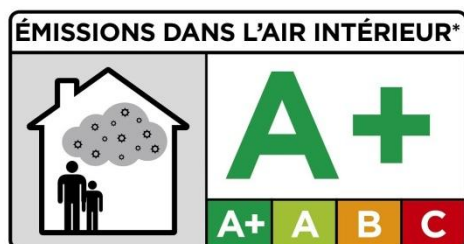
VOC Emissions Test report

1. Sample Information

Sample identification	Esmalte Muebles Melamina y Barnizados
Product type	Paint
Batch no.	-
Production date	-
Date when sample was received	17/11/2014
Testing (start - end)	01/12/2014 - 29/12/2014

2. Resulting VOC Emissions Class Label

This recommendation is based on French regulation of March 23, 2011 (décret DEVL1101903D) and of April 19, 2011 (arrêté DEVL1104875A). For details please see www.eurofins.com/france-voc



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

The product was assigned a VOC emission class without taking into account the measurement uncertainty associated with the result. As specified in French Decree no. 2011-321 of March 23, 2011, correct assignment of the VOC emission class is the sole responsibility of the party responsible for distribution of the product in the French market.

3. Test Method

Method	Principle	Parameter	Quantification limit	Uncertainty
ISO 16000 parts -3, -6, -9, -11 Internal method numbers: 9810, 9811, 9812, 2808, 8400	GC/MS HPLC/UV	VOC Volatile aldehydes	2 µg/m³ 3 µg/m³	22% (RSD) Um = 2 x RSD= 45 %
Test chamber parameter				
Chamber volume, l	119	Temperature, °C	23±1	Relative humidity, % 50±3
Air change rate, 1/h	0.5	Loading ratio, m²/m³	0.07	
Test condition: Sample stayed in test chamber during the whole 28 days testing period.				
The sample was pre-conditioned for 3 days at a temperature of 23 °C and a relative humidity of 50%.				
Sample preparation				
Application amount, g/m²	113	Number of layers	2	Drying time, h 6

4. Results

	Concentration after 28 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	32	>2000	<2000	<1500	<1000
Formaldehyde	< 3	>120	<120	<60	<10
Acetaldehyde	< 3	>400	<400	<300	<200
Toluene	< 2	>600	<600	<450	<300
Tetrachloroethylene	< 2	>500	<500	<350	<250
Ethylbenzene	< 2	>1500	<1500	<1000	<750
Xylene	< 2	>400	<400	<300	<200
Styrene	< 2	>500	<500	<350	<250
2-Butoxyethanol	< 2	>2000	<2000	<1500	<1000
1,2,4-Trimethylbenzene	< 2	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	< 2	>120	<120	<90	<60

< Means less than
> Means higher than



Janne Rothmann Norup
Analytical Service Manager