

Eurofins Product Testing SPAIN S.L.U.
C/ de la Font del Carme, S/N (Campus U.A.B.)
08193 BELLATERRA (Barcelona)
SPAIN

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

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

Date
29 July 2015

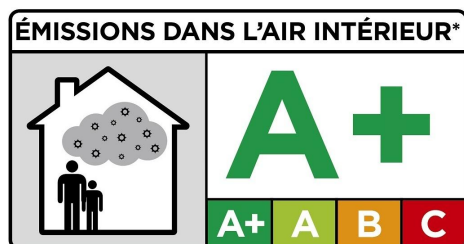
VOC Emission Test report

1. Sample Information

Sample identification	03Z Unilak Brillante + Bases Servicolor
Product type	Paint
Batch no.	-
Production date	-
Date when sample was received	08/06/2015
Testing (start - end)	22/06/2015 - 20/07/2015

2. Resulting VOC Emission 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. Conclusion on CMR emissions

The tested product fulfills the requirements of the French regulation DEVP0908633A of 30 April 2009 and DEVP0910046A of 28 May 2009. For details please see www.eurofins.com/france-voc.

4. Test Method

Method		Principle	Parameter	Quantification limit	Uncertainty
ISO 16000 parts -3, -6, -9, -11 Internal method numbers: 9810, 9811, 9812, 2808B, 8400		GC/MS HPLC/UV	VOC Volatile aldehydes	2 µg/m³ 3 µg/m³	22% (RSD) Um = 2 x RSD=45 %
ISO 16000 parts -3, -6, -9, -11 Internal method numbers: 9810, 9811, 9812, 2808B, 8400, 2616		GC/MS	4CMR	<1 µg/m³	
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.					
Sample preparation					
Application amount, g/m²	130	Number of layers	2	Drying time, h	6

5. Results

	Concentration after 28 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	91	>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
CMR compounds		Maximum allowed air concentration			
Benzene	<1	<1			
Trichloroethylene	<1	<1			
Dibutylphthalate (DBP) *	<1	<1			
Diethylhexylphthalate (DEHP) *	<1	<1			

< Means less than

> Means higher than

* Not a part of our accreditation (EN ISO/IEC 17025:2005) by DANAK (no. 522))



Maria Pelle
Chemist