ilac-MRA 👑 DANAK
TEST Reg.nr. 522

Adolf Würth GmbH & Co. KG
Reinhold-Würth-Straße 12-17
74653 Künzelsau
GERMANY

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

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

Date
31 August 2017

VOC Emissions Test report

1. Sample Information

Sample identification	WIT-VM 250
Product type	Sealant
Batch no.	-
Production date	-
Date when sample was received	26/10/2012
Testing (start - end)	31/10/2012 - 28/11/2012

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

ÉMISSIONS DANS L'AIR INTÉRIEUR*

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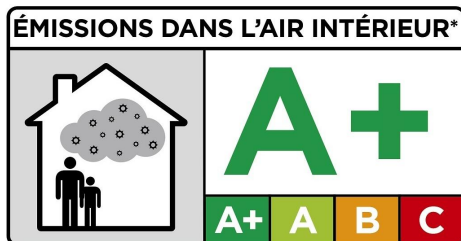
*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

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.

The results are only valid for the tested sample(s).

This report may only be copied or reprinted in its entity, parts of it only with a written acceptance by Eurofins.

3. Test Method

Method		Principle	Parameter	Quantification limit	Uncertainty	
ISO 16000 parts -3, -6, -9, -11		GC/MS	VOC	2 µg/m³	22% (RSD)	
Internal method numbers: 9810, 9811, 9812, 2808, 8400		HPLC/UV	Volatile alde-hydes	3 µg/m³	Um = 2 x RSD= 45 %	
Test chamber parameter						
Chamber volume, l	119	Temperature, °C	23±1	Relative humidity, %		50±5
Air change rate, 1/h	0.5	Loading ratio, m²/m³	0.007			
Test condition: Sample stayed in test chamber during the whole 28 days testing period.						
Sample preparation						
Thickness, mm		3				

4. Results

	Concentration after 28 days µg/m³	C	B	A	A+
TVOC	74	>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
Trimethylbenzene	<2	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	<2	>120	<120	<90	<60

<   Means less than
>   Means higher than

Thomas Berring
Analytical Service Manager