Promat Research and Technology Centre nv
Bormstraat 22
2830 Tisselt
BELGIUM

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

CustomerSupport@eurofins.com
www.eurofins.com/VOC-testing

VOC/SVOC TEST REPORT
VOC Content

18 March 2019

1 Sample Information

Sample name	Promaseal-A
Sample no.	392-2019-00090201
Production date	28.01.2019
Batch No.	05119F
Sample reception	05/03/2019

Morten Sielemann
Analytical Chemist

2 Applied Test Methods

2.1 General Test References

Test	Regulation, protocol or standard	Version	Internal SOP	Limit of detection [g/L]	Uncertainty Um¤
VOC	ISO 11890-2	2013	71 M 546002	1	20%

3 Results

3.1 Results Used in Calculation

	Remarks on the test results	Results	Unit
Density *	Supplied by the Customer	1.63	g/mL

3.2 Total VOC Content

	CAS No.	Results	Unit
Diethylene glycol *	111-46-6	8.7	g/L
Unidentified *	-	2.3	g/L
VOC content	-	11	g/L

4 Appendices

4.1 How to Understand the Results

4.1.1 Acronyms Used in the Report

< Means less than

> Means bigger than

* Not a part of our accreditation

¤ Please see section regarding uncertainty in the Appendices.

1 Analysed by another Eurofins laboratory

4.2 Description of VOC Content Test

4.2.1 Testing of VOC

Volatile Organic Compounds (VOC) include all organic compounds with an initial boiling point less than or equal to 250 °C measured at standard pressure of 101.3 kPa.
The determination is performed in conformity with ISO 11890-2 and the commission decision 2014/312/EU of 28 May 2014 establishing the ecological criteria for the award of the EU Ecolabel for indoor and outdoor paints and varnishes, with its most recent amendments and its most recent User Manual.
Analyses are performed with a slightly polar gas chromatographic column (HP-5). Mass spectrometric detection is used for identification and flame ionization detector is used for quantification. Identified compounds are quantified with their authentic response factors, or with their relative response factors using 1,2-diethoxyethane as internal standard. Remaining unknown peaks are quantified in diethyl adipate equivalents.

4.3 Uncertainty of the Test Method

The relative standard deviation of the overall analysis is 10%. The expanded uncertainty Um equals 2 x RSD. For further information please visit www.eurofins.dk/uncertainty.