eurofins | Product Testing

DEWALT
701 East Joppa Road
Towson, Maryland 21286
USA

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

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

VOC TEST REPORT
VOC Content

21 February 2020

1 Sample Information

Sample name	PE1000+
Batch no.	513041 17
Production date	10.02.2017
Product type	Multipurpose Construction Adhesives
Sample reception	27/03/2017

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
LEED IEQ 4.1	PASS	SCAQMD Rule 1168

Full details based on the testing and direct comparison with limit values are available in the following pages

Eurofins Product Testing A/S

Morten Sielemann
Analytical Chemist

Rasmus Stengaard Christensen
Analytical Service Manager, MSc in Chemistry

3 Applied Test Methods

3.1 General Test References

Test	Regulation, protocol or standard	Version	Internal SOP	Limit of detection [g/L]	Uncertainty Um¤
Solids Content	ASTM D2369	2010	71 M 544830	1	10
VOC	ASTM D2369	2010	71 M 544830	1	10

4 Results

4.1 VOC Content

	Remarks on the test results	Results	Unit
Density	Supplied by the costumer	1.42	g/mL
Water Content	Supplied by the costumer	0	% (w/w)
Exempt compounds	Assumed to be 0	0	% (w/w)
Solids Content	Tested by the lab	99.5	% (w/w)
VOC content	Calculated based on the results above	7.1	g/L

4.2 Comparison with Limit Values

Parameter	Results [g/L]	Product type	VOC limit [g/L]
VOC content	7.1	Multipurpose Construction Adhesives	70

5 Appendices

5.1 How to Understand the Results

5.1.1 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

5.2 Description of VOC Content Test

5.2.1 Testing of VOC

Volatile content of the sample was determined gravimetrically by heating to 110 °C in 60 minutes. Multicomponent products are mixed according to the manufacturer's instructions and allowed to cure before heating.
The result is the average of two replicates. The result was calculated as:

$$VOC = \frac{([g\ All\ Volatiles] - [g\ Water] - [g\ Exempt\ Compounds])}{([liter\ Material] - [liter\ Water] - [liter\ Exempt\ Compounds])}$$

5.3 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.