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VOC TEST REPORT

VOC Content

23 June 2020

1 Sample Information

Sample name	GRIP A500 MULTI
Sample no.	392-2018-00470102
Production date	5-7-2018
Batch No.	FR18795847
Sample reception	10/08/2018

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
Decopaint	Pass	Directive 2004/42/CE

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


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3 Applied Test Methods

3.1 General Test References

Regulation, protocol or standard	Scope	Version
Decopaint	Paints and varnishes	Directive 2004/42/CE

3.2 Specific Laboratory Sampling and Analyses

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

4 Results

4.1 Results Used in Calculation

	Remarks on the test results	Results	Unit
Density *	Supplied by the Customer	1.00	g/mL

4.2 Total VOC Content

	CAS No.	Results	Unit
1-Butoxy-2-propanol*	5131-66-8	28	g/L
Uidentificeret*	-	< 1	g/L
VOC content	-	28	g/L

4.3 Comparison with Limit Values of VOC Content

Parameter	Results [g/L]	Product type	Regulation or protocol	VOC limit [g/L]
VOC content	28	Primer	Decopaint	30

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

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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 (ISO 11890-2)

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.

5.3 Uncertainty of the Test Method

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