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VOC TEST REPORT

VOC Content

9 April 2021

1 Sample Information

Sample name	Eggshell
Sample no.	392-2021-00096102
Production date	20-12-2020
Batch No.	n/a
Sample reception	24/02/2021

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
Regarding pass/fail decision rule please see appendix



Janne Rothmann Norup
Analytical Service Manager

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	Uncertainty U _m
				[g/L]	%
VOC	ISO 11890-2	2020	71 M 546002	0.1	20

4 Results

4.1 Results Used in Calculation

	Remarks on the test results	Results	Unit
Density *	Supplied by the Customer	1.48	g/mL

4.2 Total VOC Content

	CAS No.	Results	Unit
Unidentified *	-	0.16	g/L
VOC content	-	0.16	g/L

4.3 Comparison with Limit Values of VOC Content

Parameter	Results	Product type	Regulation or protocol	VOC limit
	[g/L]			[g/L]
VOC content	0.16	Interior matt walls and ceilings	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

Um(%): The expanded uncertainty Um is equal to 2 x RSD%.

5.4 Decision Rules

Eurofins Product Testing A/S, declare statement of conformity based on the “Binary Statement for Simple Acceptance Rule” described in ILAC’s “Guidelines on decision Rules and Statements of Conformity” ILAC-G8:09/2019.

This means that results above the detection limit are always reported with two significant digits. Results are evaluated with the same number of significant digits as the corresponding limit values, and conformity is based on results being less than or equal to limit values.

For limit values with more than two significant digits, the third digit will be used to confirm whether a result is below or equal to the limit value. It will always be indicated in the evaluation table if this expanded evaluation is performed.

For further information please visit www.eurofins.dk/product-testing/om-os/beslutningsregler/

5.5 Version History

Report date	Report number	Modification
09 April 2021	392-2021-00096102_XG_EN_A	Current version