

Protox ApS
Fabriksvej 19
6000 Kolding
DENMARK

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

CustomerSupport@eurofins.com
www.eurofins.com

TEST REPORT

VOC Content

11 August 2023

1 Sample Information

Sample name	Protox Skimmel
Sample no.	392-2023-00319505
Stated production date	31/05/2023
Batch No.	39.42
Sample reception	05/07/2023



Janne Rothmann Norup
Analytical Service Manager

2 Applied Test Methods

2.1 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	0.05	20
Density *	Internal method	-	71 M 543130	-	10

3 Results

3.1 Results Used in Calculation

	Remarks on the test results	Results	Unit
Density *	Tested by the lab	1.01	g/mL

3.2 Total VOC Content

	CAS No.	Results	Unit
Dipropylene glycolmethylether *	34590-94-8	0.91	g/L
Unidentified glycol *	-	13	g/L
VOC content	-	14	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 (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.

4.2.2 Testing of Density

The density was calculated using gravimetric and volumetric determination. The result is the average of three determinations.

4.3 Uncertainty of the Test Method

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

4.4 Version History

Report date	Report number	Modification
11/08/2023	392-2023-00319505_XI_EN	Current version