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## VOC TEST REPORT

### VOC Content

17 October 2017

#### 1 Sample Information

Sample name	Power Acoustics
Sample no.	392-2017-00328301
Production date	-
Batch No.	-
Sample reception	27/09/2017



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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 $\square$
Density *	Internal method	-	71 M 543130	-	10%
VOC/SVOC	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	0.91	g/mL

### 3.2 Total VOC Content

	CAS No.	Results	Unit
VOC content	-	< 1	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.

#### 4.2.2 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

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](http://www.eurofins.dk/uncertainty).