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Date  
14 March 2016

Our ref.  
392-2016-00086005

## Test Report – ISO 11890-2 / ASTM D6886

### Sample material

Sample identification	ECOS APP Eggshell Light		
Product type	Paint		
Batch No.	FF33415EGWBAPP		
Production date	10/12/2015		
Product data	Density: 1.37 g/ml		(Information from client)
Date received	14/12/2015		
Analytical period	02/03/2016 – 14/03/2016		

### Methods applied

Method	Principle	Parameter	Reporting limit	Uncertainty (U <sub>m</sub> )
EU Directive 42/2004/EC ISO 11890-2 (2013) ASTM D6886-12	GC/MS and GC/FID	Content of volatile organic compounds (VOC) in paints and varnishes	1 g/l	20 %

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 detector is used for identification and flame ionization detector is used for quantification. Identified VOCs are quantified with their authentic response factors, or with their relative response factors using 1,2-diethoxyethane as internal standard. Remaining unknown VOC peaks are quantified in diethyl adipate equivalents.

\*)Not accredited

The expanded uncertainty U<sub>m</sub> equals 2 x RSD%

The test results relate only to the items tested.

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**Analytical results**

392-2016-00086005	CAS	Content (g/l)
Total VOC	-	< 1

Eurofins Product Testing A/S

Nikolaj Røjkjær Andersen  
Analytical Chemist

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