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Date
14 March 2016

Our ref.
392-2016-00086001

Test Report – ISO 11890-2 / ASTM D6886

Sample material

Sample identification	ECOS Eggshell Light
Product type	Paint
Batch No.	FF33415EGWB
Production date	01/12/2015
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 _m)
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 %
<p>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.</p> <p>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.</p> <p>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.</p>				

*)Not accredited

The expanded uncertainty U_m equals 2 x RSD%

The test results relate only to the items tested.

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Analytical results

392-2016-00086001	CAS	Content (g/l)
Total VOC	-	< 1

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Nikolaj Røjkjær Andersen
Analytical Chemist

*)Not accredited

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