Imperial Paints LLC
P.O. Box 489
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USA

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_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 %

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.

Analytical results

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

Eurofins Product Testing A/S

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