

TEST REPORT

REPORT NO.: AS-13-001
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SUMMARY

Customer	SAFIC		
	32 Steel Street, Steeldale, Johannesburg, 2001		
Test Required	VOC's	Study number	COA
TEST ITEM			
Description	Acrylic emulsion based adhesive samples	Condition	Liquid
Identification	Product	Date of Receipt	14/12/2012
Number of Samples	2	Storage conditions	At room temperature
Storage date	From 14/12/2012 to 14/01/2013	Date of Analysis	09-11/01/2013
Method/s used	Standard methods of Analysis as issued by US EPA TO14		
Environmental Conditions with analysis	Temperature: 22 °C	Humidity: 39 %RH	

TEST ITEMS

On 14 December 2012 Airsep Laboratory received two samples as marked in the table below, for analysis from SAFIC.

Sample No.	Sample Type
1	Floorworx M62
2	Floorworx Silk Matt Sealer

The request was to issue a COA for the VOC's measured at 25 °C and atmospheric pressure.

Before the start of the analyses, the test item was examined visually to determine if any foreign material was present. Odour, colour and any other physical aspects were noted. A representative sample was taken for analysis. The material remaining after completion of all the tests will be retained at room temperature in Airsep's archives for a period of one year.

ANALYTICAL METHODS AND TEST GUIDELINES

The methods/instruments used for the analysis are all part of an on-going quality control system and were standardized before the analysis took place.

The method used was based on the EPA VOC method (TO14) which determines the volatile organic carbon components of a gaseous sample at equilibrium, 25°C and atmospheric pressure. The gaseous sample is injected directly into a gas chromatograph for analysis of the residual components.



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**CERTIFICATE OF ANALYSIS No.: 13-001/1
SAFIC**

RESULTS – ASSAY VOC's IN FLOORWORX SILK MATT SEALER

Component	Result	
	Residual VOC's in g/l	Comment
Acrylic polymer emulsion	2.37×10^{-4}	Values well below the 100g/l limit for total VOC's set by the US EPA in Dec 2010
Glycol	3.12×10^{-5}	
Acticide	$< 5 \times 10^{-9}$	
Polyethylene wax emulsion	3.92×10^{-5}	
TOTAL VOC's	3.074×10^{-4}	

Indemnity Clause

"No warranties or guarantees are given by Airsep SA cc, its employees, affiliates, consultants, sub-contractors or representative regarding the accuracy or correctness of the above tests and Airsep SA cc, its employees, affiliates, consultants, sub-contractors or representatives are therefore indemnified against any and all damages, losses, claims and demands, including legal fees and expenses of whatsoever nature in respect of any damages suffered, directly or indirectly, resulting from the above tests."

Signed :

Date : 15 January 2013



Analytical Consultants

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**CERTIFICATE OF ANALYSIS No.: 13-001/2
SAFIC**

RESULTS – ASSAY VOC's IN FLOORWORX M62

Component	Result	
	Residual VOC's in g/l	Comment
Acrylic polymer emulsion	1.763×10^{-7}	Values well below the 100g/l limit for total VOC's set by the US EPA in Dec 2010
Resin	1.869×10^{-7}	
Acticide	$< 5 \times 10^{-9}$	
Toluene	$< 5 \times 10^{-9}$	
TOTAL VOC's	3.632×10^{-7}	

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