

# FORAY LABORATORIES PTY. LTD.

2/27 Normanby Road  
Clayton North, 3168  
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## LABORATORY REPORT: 0710-17 Client: Bio Products Australia

### 1 SAMPLE IDENTIFICATION AND DESCRIPTION

Paint samples were provided by client and tested as received.

**Table 1: Sample Identification and Description – Paint Material**

<b>Sample Identification</b>	<b>Description</b>
<b>61134</b>	Bio Wall Paint
<b>61135</b>	Bio Enamel Lacquer

Samples analysed for VOC content as per ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings. This method references other ASTM standard practices.

### 2 RESULTS

	<b>61134</b>	<b>61135</b>
<b>Density (g/mL)</b>	1.57	1.30
<b>Total Volatiles (%)</b>	32	34
<b>Water Content (%)</b>	32	35
<b>Exempt Compounds (%)</b>	None detected	None detected
<b>VOC Content Material (g/L)</b>	<1	<1

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### 3 PARAMETER UNITS

Name	Method	Units	Detection Limits	Precision
Density	ASTM D1475	g/mL	Not Applicable	10%
Total Volatiles	ASTM D 2369	%	<1	10%
Water Content	ASTM D4017	%	<1	10%
Exempt Compounds	ASTM D4457	%	<0.5	10%

### 4 PARAMETER METHODS

Name	References & Techniques
Density	ASTM D1475: Standard Test Method for Density of Liquid Coatings, Inks and Related Products.
Total Volatiles	ASTM D2369: Standard Test Method for Volatile Content of Coatings.
Water Content	ASTM D4017: Standard Test Method for Water in Paints and Paint Materials by Karl Fisher Method.
Exempt Compounds	ASTM D4457: Standard Test Method for Determination of Dichloromethane and 1,1,1-Trichloroethane in Paints and Coatings by Direct Injection into a Gas Chromatograph.



Dr. Robert Schiller  
PhD, BSc(Hons)  
NACE, IMEA  
Senior Consultant



Dr. Vyt Garnys  
PhD, BSc(Hons), AIMM, ARACI, ISIAQ  
AIRAH, ACA, FMA  
Managing Director and Principal Consultant

October 26<sup>th</sup>, 2007

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Clayton North, Victoria 3168,  
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Friday October 26<sup>th</sup>, 2007

Bio Products Australia Pty Ltd  
25 Aldgate Terrace  
Bridgewater South Australia 5155

Attention: Dieter Groening

Please find attached our final report, details as per below.



Project Title : VOC Content of Paint Samples (ASTM D3960)  
No. of Pages : 2  
Our Reference : 0710-17  
Your Reference :  
Sample Retention : 30 days after Report Date



Yours sincerely,

A handwritten signature in blue ink that reads "R. Schiller".

Dr. Robert Schiller  
PhD, BSc(Hons)  
NACE, IMEA  
Senior Consultant

A handwritten signature in black ink that reads "Vyt Garnys".

Dr. Vyt Garnys  
PhD, BSc(Hons), AIMM, ARACI, ISIAQ  
AIRAH, ACA, FMA  
Managing Director and Principal Consultant

# VOC Content Test Certificate

Friday October 26<sup>th</sup>, 2007

Supplier: Bio Products Australia Pty Ltd (25 Aldgate Terrace, Bridgewater South Australia 5155)

Sample Description: Bio Wall Paint

Date Tested: October 2007

Test Method: ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC)  
Content of Paints and Related Coatings.

Test Data:

<b>Bio Wall Paint</b>
<b>&lt;1 grams per Litre as VOC content of material</b>



Dr. Vyt Garnys  
PhD, BSc(Hons) AIMM, ARACI, ISIAQ  
ACA, AIRAH, FMA  
Managing Director and Principal Consultant

# VOC Content Test Certificate

Friday May 29<sup>th</sup>, 2009

Supplier: Bio Products Australia Pty Ltd (25 Aldgate Terrace, Bridgewater South Australia 5155)

Sample Description: Bio Wall Paint Deep Base

Date Tested: May 2009 (Tested by FORAY Laboratories – NATA Accreditation 1231)

Test Method: ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC)  
Content of Paints and Related Coatings.

Test Data:

**Bio Wall Paint Deep Base**

**<1 grams per Litre as VOC  
content of material**



Dr. Vyt Garnys  
PhD, BSc(Hons) AIMM, ARACI, ISIAQ  
ACA, AIRAH, FMA  
Managing Director and Principal Consultant

**F0905-18**

# VOC Content Test Certificate

Friday October 26<sup>th</sup>, 2007

Supplier: Bio Products Australia Pty Ltd (25 Aldgate Terrace, Bridgewater South Australia 5155)

Sample Description: Bio Enamel Lacquer (water-based)

Date Tested: October 2007

Test Method: ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC)  
Content of Paints and Related Coatings.

Test Data:

**Bio Enamel Lacquer (water based)**

**<1 grams per Litre as VOC content  
of material**



Dr. Vyt Garnys  
PhD, BSc(Hons) AIMM, ARACI, ISIAQ  
ACA, AIRAH, FMA  
Managing Director and Principal Consultant

**F0710-17**