

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing  
A.B.N. 43 006 014 106  
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

CLIENT : QUEST CARPET MANUFACTURERS P/L  
PO BOX 4056  
DANDENONG SOUTH VIC 3175

TEST NUMBER : 7-591217-JV  
ISSUE DATE : 29/05/2013  
PRINT DATE : 30/05/2013

SAMPLE DESCRIPTION Clients Ref: "Sunday"  
Patterned loop pile carpet  
Nominal Composition: 100% Polypropylene  
Pile Weight: 620 g/m<sup>2</sup>  
Pile Height: 3-6mm

ISO 10580:2010 Resilient, Textile and Laminate Floor Coverings  
Test Method for Volatile Organic Compound  
(VOC) Emissions

Chamber Volume: 1 m<sup>3</sup>  
Inspection Result  
Description of Test Method:  
Test specimen size: 800 X 500 mm, 1 piece  
Seal and test: Sealed with aluminium foil, and the back  
side of test specimen was placed on an  
inert glass plate to determine the  
emission of upper surface  
Test Time: 24 hours  
Test Temp: 23 degC  
Test Humidity: 50%  
Loading Factor: 0.40 m<sup>2</sup>/m<sup>3</sup>  
Air Exchange: 1 h<sup>-1</sup>

Test Subject		Test Result	Emission Factor	
		Concentration (24 hour) /ug.m-3	Test Result (24 hour) /ug.m-2.h-1	Criterion (24 hour) /ug.m-2.h-1
Formaldehyde	50-00-0	1.68	4.2	<10
Acetaldehyde	75-07-0	5.03	12.6	<20
Vinyl acetate	108-05-4	<0.40	<1.0	<400
Benzene	71-43-2	<0.20	<0.5	<55
Toluene	108-88-3	<0.20	<0.5	<280
4-Vinyl cyclohexene	100-40-3	<0.5	<1.3	<85
Xylenes	1330-20-7	<0.05	<0.13	<50
Styrene	100-42-5	1.82	4.6	<410

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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR



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1-Methyl-2-Pyrrolidone	872-50-4	<10.00	<25.00	<300
2-Ethyl-1-hexanol	104-76-7	<0.5	<1.3	<50
Octanal	124-13-0	<0.05	<0.13	<24
Nonanal	124-19-6	<0.05	<0.13	<24
2-ethylhexanoic	149-57-5	<10.0	<25.0	<46
Napthalene	91-20-3	<0.05	<0.13	<20
Caprolactum	105-60-2	<0.50	<1.3	<120
4-Phenylcyclohexene	4994-16-5	11.49	28.7	<50
Hydrocarbons (C10-C14)		50.85	127.1	<300
TVOC(C6-C16)		60.92	152.3	<500

### Remarks:

- 1: Formaldehyde and acetaldehyde were detected using HPLC method with ultraviolet detector, whereas other VOCs substances were detected by Gas chromatography/Mass spectrometry method.
- 2: In this Gas chromatography/Mass spectrometry method, the scan mode of SIM was employed for caprolactum detection, and TIC for others.

Tested by AWTA-JSIC JinAo Testing Co Limited - China

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( END OF REPORT )

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