

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 : CAVALIER BREMWORTH
7 GRAYSON AVENUE
PAPATOETOE
AUCKLAND
NEW ZEALAND

TEST NUMBER : 7-581522-KO
ISSUE DATE : 19/10/2011
PRINT DATE : 19/10/2011

SAMPLE DESCRIPTION Clients Ref: "Galet 3030 - 100% Wool 60oz Loop Pile"

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

Inspection Report

Description of Test Method:

Test specimen size: 350 x 310 mm, 4 pieces

Seal and test: Sealed with aluminium foil, and the back side of the test specimen was placed on an inert glass plate to determine the emission of upper surface

Test time: 24 hr

Test temperature: 23degC

Test humidity: 50 %

Loading factor: 0.4m2/m3

Air exchange: 1/h

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APPROVED SIGNATORY

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

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Test Subject	Test Result		CIAL Max Emission Factor
	Concentration /ug.m-3	Releasing amount /ug.m-2.h-1	
Formaldehyde	<0.03	<0.08	10
Acetaldehyde	<0.04	<0.10	20
Vinyl acetate	<0.50	<1.25	400
Benzene	<0.20	<0.50	55
Toluene	<0.20	<0.50	280
4-Vinyl cyclohexene	0.99	2.47	85
P(m)-Xylene	0.17	0.42	50
Styrene	2.11	5.29	410
o-Xylene	0.08	0.20	-
1-Methyl-2-pyrrolidone	<10.00	<25.00	300
2-Ethyl-1-hexanol	<0.05	<0.13	46
Octanol	<0.05	<0.13	24
Nonanal	<0.50	<1.25	24
2-ethylhexanoic	<1.00	<2.50	46
Napthalene	<0.05	<0.13	20
Caprolactum	<0.30	<0.75	120

4-Phenylycyclohexene	7.27	18.18	50
Hydrocarbons (C10-C14)	29.96	74.89	300
Hydrocarbons (C6-C16)	35.77	89.43	-

- (1) Formaldehyde and acetaldehyde were detected using HPLC method with ultraviolet detector, whereas other VOC 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.

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(3) In this determination process, the method quantification limitations for various VOCs were as follows:

Formaldehyde: 0.03 ug.m-3	Acetaldehyde: 0.04 ug.m-3
Vinyl acetate: 0.05 ug.m-3	Benzene: 0.20 ug.m-3
Toluene: 0.20 ug.m-3	4-Vinyl cyclohexene: 0.05 ug.m-3
P(m)-Xylene: 0.05 ug.m-3	Styrene: 0.05 ug.m-3
o-Xylene: 0.05 ug.m-3	1-Methyl-2-pyrrolidone: 10.00 ug.m-3
Ethyl-1-hexanol: 0.05 ug.m-3	Octanol: 0.05 ug.m-3
Nonanal: 0.05 ug.m-3	2-ethylhexanoic: 1.00 ug.m-3
4-Phenylcyclohexene: 0.05 ug.m-3	

Tested by AWTA-JSIC-Jin Ao Testing Co Ltd

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(END OF REPORT)

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