

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

TEST REPORT

Client : Quest Flooring Pty Ltd
43-55 Mark Anthony Drive
Dandenong South VIC 3175

Test Number : 23-002706
Issue Date : 28/07/2023
Print Date : 28/07/2023

Sample Description Clients Ref : "Astrid"
Twist pile carpet Nom Mass: 50oz/yd2 Nom Thickness: 12mm Enduse: Flooring
Nominal Composition : Polyester

Test Method Carpet Institute of Australian Environmental Certification Scheme incorporating ISO
10580: "Resilient, Textile and Laminate Floor Coverings: Evaluation of Volatile Organic
Compound Emissions"

Carpet Institute of Australia Environmental Certification Scheme Spec.	Emission Factor Criterion (24 Hour) $\mu\text{g}/\text{m}^2.\text{h}$	Emission Factor Test Result (24 Hour) $\mu\text{g}/\text{m}^2.\text{h}$
Formaldehyde	<10	<1.3
Acetaldehyde	<20	<1.3
Vinyl Acetate	<400	<1.0
Benzene	<55	<0.5
Toluene	<280	<0.5
4-Vinyl cyclohexene	<85	7.8
Xylenes	<50	2.7
Styrene	<410	14.7
1-Methyl-2-Pyrrolidone	<300	<50.0
2-Ethyl-1-hexanol	<50	<2.0
Octanal	<24	<0.5
Nonanal	<24	<1.0
2-ethylhexanoic	<46	<25.0
Napthalene	<20	<0.50
Caprolactam	<120	<20.0
4-Phenylcyclohexene	<50	31.1
Hydrocarbons (C10-C14)	<300	140.8
Total Volatile Organic Compound	<500	167.4

Test specimen size

500x400 (2 pieces) mm

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Page 1 of 2

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Fiona McDonald
APPROVED SIGNATORY

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

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Test time	24 Hrs
Test temperature	23 °C
Test humidity	50 %
Loading factor	0.4 m ² /m ³
Air exchange	1 /h

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

Tested by AWTA-JSIC JinAo Testing Co Limited - China
Test Report Number JA 233617

Date of Testing 28/07/2023

Remarks:

1. Formaldehyd and acetaldehyde were detected using HPLC method with ultraviolet detector, whereas other VOC's 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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Page 2 of 2

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