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 : 25-000343
Issue Date : 24/02/2025
Print Date : 24/02/2025

Sample Description Clients Ref : "Blairgowrie" Nom Comp: 100% New Zealand Wool Nom Thickness: 12mm Loop pile carpet Nom mass: 35oz/yd2 Enduse: Flooring

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) µg/m².h	Emission Factor Test Result (24 Hour) µg/m².h
Formaldehyde	<10	<1.4
Acetaldehyde	<20	<1.4
Vinyl Acetate	<400	<1.1
Benzene	<55	<0.6
Toluene	<280	<0.6
4-Vinyl cyclohexene	<85	<0.3
Xylenes	<50	3.7
Styrene	<410	<0.3
1-Methyl-2-Pyrrolidone	<300	<55.6
2-Ethyl-1-hexanol	<50	<2.2
Octanal	<24	<1.1
Nonanal	<24	<1.1
2-ethylhexanoic	<46	<27.8
Napthalene	<20	<0.6
Caprolactam	<120	<22.2
4-Phenylcyclohexene	<50	9.9
Hydrocarbons (C10-C14)	<300	28.9
Total Volatile Organic Compound	<500	31.9

Test specimen size 500x400 (2 pieces) mm

343330 75287

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AWTA LIMITED

Fiona McDonald
APPROVED SIGNATORY

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

0205/11/06

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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

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: JA250294

Date of Testing: 21/02/2025

Remarks:
1. Formaldeyhde 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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