

GREENGUARD CERTIFICATION PROGRAM PROFILE STUDY TEST REPORT						
Product Description		VIRGO LAMINATES				
Category		SURFACING MATERIALS				
SUMMARY		Environment	TVOC	Formaldehyde	Total Aldehydes	CREL/TLV
	GREENGUARD	Office	✓	✓	✓	✓
	GREENGUARD Gold	Office	✓	✓	✓	✓
		Classroom	✓	✓	✓	✓
	✓ - meets criteria; ✓* - meets within 25%; X - over by more than 25% of criteria					

This test data is provided for general informational purposes only. The data indicate the level of emissions from the designated product and how they compare to the emission criteria of the GREENGUARD and GREENGUARD Gold standards. This data does not imply that the product has been qualified to meet the requirements of the GREENGUARD Certification program nor does it imply that the product is or is not certified by the GREENGUARD Certification program. A summary of the allowable emission limits for GREENGUARD Certification and GREENGUARD Gold Certification can be found [here](#).

Customer Information	GLAMIVA OVERSEAS PRIVATE LIMITED RAVI SHARMA NEAR MATAR CHOWKDI NATIONAL HIGHWAY NO. 48 AHMEDABAD NADIAD ROAD SOKHDA, TALUKA MATAR KHEDA GUJARAT 387570 INDIA
Authorized by	 Allyson M. McFry Chemistry Laboratory Director

SAMPLE INFORMATION			
Test Description	The product was received by UL Environment as packaged and shipped by the customer. The package was visually inspected and stored in a controlled environment immediately following sample check-in. Just prior to loading, the product was unpackaged and prepared for the required loading to expose the finished surfaces only. The sample was placed inside the environmental chamber and tested according to the specified protocol.		
Date Received	January 21, 2026		
Test Period	January 26, 2026 - January 27, 2026		
Area	one-sided area = 0.0861 m ²		
Environmental Chamber ID and Volume	SI3 - 0.0873 m ³		
Product Loading	0.99 m ² /m ³		
Test Conditions	1.00 ± 0.05 ACH 50% RH ± 5% RH 22.3°C - 22.8°C		
***Laboratory Locations	Testing Laboratory	Analytical Laboratory	Technical Reporting Location
	ULE - Marietta	ULE - Marietta	ULE - Marietta

The temperature range specification is 23°C ± 1°. The actual temperature range listed above may vary slightly. If the range is outside this specification, data was reviewed to ensure a negative impact did not occur.

MODELING PREDICTED CONCENTRATION PARAMETERS								
Certification Program	Environment Basis	Product Usage	Surface Area (m ²)	Room Volume (m ³)	ACH (1/hr)	Assumed Decay Parameters		
						k _T	k _F	k _A
GREENGUARD and GREENGUARD Gold Office	CDPH/EHLB/Standard Method	worksurface	3.2	30.6	0.68	0.003	0.002	0.002
GREENGUARD Gold Classroom	CDPH/EHLB/Standard Method	worksurface	12.3	231	0.82	0.003	0.002	0.002

RESULTS				
Analyte	24 Hour Emission Factor (µg/m ² •hr)	168 Hour Predicted Concentration		
		GREENGUARD	GREENGUARD Gold	
			Office	Classroom
TVOC	5.8	0.001 mg/m ³	0.001 mg/m ³	< 0.001 mg/m ³
Formaldehyde	2.8	< 0.001 ppm	< 0.001 ppm	< 0.001 ppm
Total Aldehydes	2.8	< 0.001 ppm	< 0.001 ppm	< 0.001 ppm

BQL denotes below quantifiable level of 0.04 µg based on a standard 18 L air collection volume for TVOC and individual VOCs and 0.1 µg based on a standard 45 L air collection volume for formaldehyde and total aldehydes.

IDENTIFIED VOLATILE ORGANIC COMPOUNDS AT 24 ELAPSED EXPOSURE HOURS		
CAS Number	Compound	Emission Factor (µg/m ² •hr)
3333-52-6	Tetramethylbutanedinitrile*†	4.4
78721-87-6	Trimethyl[4-(1,1,3,3,-tetramethylbutyl)phenoxy]silane*	2.2
104-76-7	1-Hexanol, 2-ethyl†	2.1

Quantifiable level is 0.04 µg based on a standard 18 L air collection volume.

*Indicates NIST/EPA/NIH best library match only based on retention time and mass spectral characteristics.

†Denotes quantified using multipoint authentic standard curve. Other VOCs quantified relative to toluene.

TARGET LIST ALDEHYDES AT 24 ELAPSED EXPOSURE HOURS		
CAS Number	Compound	Emission Factor (µg/m ² •hr)
4170-30-3	2-Butenal	
75-07-0	Acetaldehyde	
100-52-7	Benzaldehyde	
5779-94-2	Benzaldehyde, 2,5-dimethyl	
529-20-4	Benzaldehyde, 2-methyl	
620-23-5/104-87-0	Benzaldehyde, 3- and/or 4-methyl	
123-72-8	Butanal	
590-86-3	Butanal, 3-methyl	
50-00-0	Formaldehyde	2.8
66-25-1	Hexanal	
110-62-3	Pentanal	
123-38-6	Propanal	

Quantifiable level is 0.1 µg is based on a standard 45 L air collection volume

Analyses based on EPA Compendium Method TO-17 and ASTM D 6196 for VOCs by thermal desorption followed by gas chromatography/mass spectrometry (TD/GC/MS), and EPA Method TO-11A and ASTM D 5197 for selected aldehydes by high performance liquid chromatography (HPLC).

Testing followed UL 2821, UL GREENGUARD Certification Program Method for Measuring and Evaluating Chemical Emissions From Building Materials, Finishes and Furnishings, Edition 2, Revision Date 8/24/2022.

*Accredited Laboratory Locations	
Location	Address
ULE - Marietta	UL Environment 2211 Newmarket Parkway, Marietta, GA 30067-9399 USA
ULE - Guangzhou	UL Verification Services (Guangzhou) Room 101, 201, 301, 501, 502, 503, Building A1, No.25. South of Huanshi Avenue Nansha District, Guangzhou, Guangdong, China
ULE - Cabiato	UL International Italia S.r.l ATTN: IAQ Laboratory Via Europa, 9, I – 22060 – Cabiato (Como), Italia
ULE - Vietnam	UL VS (Vietnam) Co. Ltd (Four floor) 4th floor In Multi – Storey Factory Building, Lot 100, B Street, Sai Gon – Linh Trung Processing Zone, Linh Xuan Ward, Ho Chi Minh City, Vietnam, 700000
UL - Shimadzu	Shimadzu Techno-Research, Inc. 1, Nishinokyo-Shimoaicho Nakagyo-ku, Kyoto 604-8436 Japan
KCL	Korea Conformity Laboratories #805, I-Valley, 149 Gongdan-ro Gunpo-si, Gyeonggi-do, 15849 Korea

CHAIN OF CUSTODY

INTERNAL Use Only			
Project #	1002870679		
Product #	9000683		
Order #	16036409		
Task Line	2.1	UL BU	
____ of ____			

9000683



9000683

Description
VIRGO LAMINATES

Customer GLAMIVA OVERSEAS PRIVATE LIMIT
 Received Date: 2026-JAN-21 18:55:30
 LabWare Project No. 1002870679
 Order No.: 16036409
 Oracle Project No.: 4791983061

1 of 4

☐ **Rush Request – Subject to upcharge.** Customer must confirm with UL prior to submitting product.

GREENGUARD Test Information					
Test Type	☐ Certification Test • Annual/Initial Year _____			☐ Out-of-Scope Test	
	☐ Quarterly Test • Year _____ Quarter _____			☒ Profile Study Test	
Service Line	☒ GREENGUARD	☒ GREENGUARD GOLD	☐ Other _____		
Test Group					
Product Category			Subcategory		
Application	☐ Floor/Ceiling	☐ Panel	☐ Wall	☐ Work Surface	☐ Other: _____
Wet Products Only	Coverage Rate		Density		Specific Gravity
Product and Company Information					
Product Description: VIRGO LAMINATES					