May 16, 2025 1002661275-8285149 1002661275-8285149



	GREENGU	ARD CERTIFICATIO	ON PROGRA	M OUT-OF-SCO	PE TEST REPORT	
	Product Description	FI-NC-6S				
	Category	WINDOW TREAT	MENT			
		Environment	TVOC	Formaldehyde	Total Aldehydes	CREL/TLV
RΥ	GREENGUARD	Office	\checkmark	✓	✓	✓
SUMMA		Office	\checkmark	✓	✓	✓
SUN	GREENGUARD Gold	Classroom	\checkmark	✓	\checkmark	✓
	✓ - meets criteria; ✓* - meets	within 25%; X - over cr	iteria			

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	CHESTNUT SPRINGS LLC STEPHEN SCALA 277 SILVER SPRING RD. RIDGEFIELD CT 06877 USA
Authorized by	Allyson M. McFry Chemistry Laboratory Director

	SAMPLE INFO	RMATION		
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 16.24 g of product was applied to square-foot sample of the fabric provided by the customer. The sample was placed inside the environmental chamber, and tested according to the specified protocol.			
Date Received	April 30, 2025			
Test Period	May 8, 2025 - May 9, 2025			
Area	one-sided area = 0.0918 m ²	2		
Environmental Chamber ID and Volume	SG3 - 0.0863 m³			
Product Loading	1.06 m²/m³			
Test Conditions	1.00 ± 0.05 ACH 50% RH ± 5% RH 23.0°C - 24.1°C	-		
***Laboratory Locations	Testing Laboratory	Analytical Laboratory	Technical Reporting Location	
	ULE - Marietta	ULE - Marietta	ULE - Marietta	

The temperature range specification is $23^{\circ}C \pm 1^{\circ}$. 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 PREDIC	TED CONCENT	RATION F	PARAMET	ERS			
Certification Program	Environment	Product Usage	Surface Area		ACH (1/hr)	Assumed Decay Parameters		
Certification Frogram	Basis	Froduct Usage	(m²)			k⊤	КF	kΑ
GREENGUARD and GREENGUARD Gold Office	CDPH/EHLB/Standard Method	window treatment	1.49	30.6	0.68	0.031	0.005	0.023
GREENGUARD Gold	CDPH/EHLB/Standard	window	4.46	231	0.82	0.031	0.005	0.023
Classroom	Method	treatment	4.40	231	0.02	0.001	0.000	0.023

	RESULTS					
	24 Hour	168 Ho	ntration			
Analyte	Emission Factor	GREENGUARD	GREENGUARD Gold			
	(µg/m²∙hr)	GREENGUARD	Office	Classroom		
TVOC	12.5	< 0.001 mg/m ³	< 0.001 mg/m ³	< 0.001 mg/m ³		
Formaldehyde	BQL	< 0.001 ppm	< 0.001 ppm	< 0.001 ppm		
Total Aldehydes	2.4	< 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.

IDENTI	IDENTIFIED VOLATILE ORGANIC COMPOUNDS AT 24 ELAPSED EXPOSURE HOURS					
CAS Number	Compound	Emission Factor (μg/m²•hr)				
142-60-9	Propanoic acid, octyl ester*	10.4				
124-13-0	Octanal [†]	2.4				
112-31-2	Decanal*	2.1				

Quantifiable level is 0.04 μ g 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/m²•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					
66-25-1	Hexanal					
110-62-3	Pentanal					
123-38-6	Propanal					

Quantifiable level is 0.1 μ g 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 - Cabiate	UL International Italia S.r.I ATTN: IAQ Laboratory Via Europa, 9, I – 22060 – Cabiate (Como), Italia
ULE - Vietnam	UL VS (VIET NAM) CO. LTD., Lot C5, Conurbation 2, Street K1, Cat Lai Industrial Zone, Thanh My Loi Ward, District 2, Ho Chi Minh City, Vietnam
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

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