## **CERTIFICATE**OF COMPLIANCE



Giroflex giroflex 353

304101-410

Certificate Number

24 May 2023 - 18 Aug 2025

Certificate Period

Certified

Status

UL 2818 - 2022 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2019 Credit 7.6.1, 7.6.2, and 7.6.3. Seating products are modeled in the seating environment with a ventilation rate of 24.8 m³/hour. Products also determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017.

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Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.





## **GREENGUARD Certification Criteria for Building Products and Interior Finishes**

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC <sub>(A)</sub>	-	0.50	mg/m³
Formaldehyde	50-00-0	61.3 (50 ppb)	μg/m³
Total Aldehydes (B)	-	0.10	ppm
Particle Matter less than 10 µm (C)	-	50	μg/m³
4-Phenylcyclohexene	4994-16-5	6.5	μg/m³
Individual VOCs (D)	-	1/10th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C6 C16 range, with responses calibrated to a toluene surrogate.

  Maximum allowable predicted TVOC concentrations for GREENGUARD (0.50 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Allowable levels for chemicals not listed are derived from 1/10th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



