CERTIFICATE
OF COMPLIANCE

GREENGUARD

PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

GOLD

9 to 5 Seating

Logic Plus

69344-420
Certificate Number

12/21/2017 - 09/08/2019
Certificate Period

Certified
Status

UL 2818 - 2013 Gold 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 e3-2014e 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.

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Office Furniture Seating

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC (A)	-	0.22	mg/m³
Formaldehyde	50-00-0	4.5 (3.65 ppb)	µg/m³
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m³
1-Methyl-2-pyrrolidinone (C)	872-50-4	80	µg/m³
Individual VOCs (D)	-	1/4 CREL or 1/100th TLV	-

(A) Defined to be the total response of measured VOCs falling within the C_6 – C_{16} range, with responses calibrated to a toluene surrogate.

(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) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day.

(D) Allowabe levels for chemicals not listed are derived from the lower of 1/4 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th 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).

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Environmental Information and LEED® Summary

310.220.2500 3211 Jack Northrop Avenue Hawthorne, CA 90250 www.9to5seating.com

Logic



1790

Plus

LEED® 2009 Credit Information

Category	Credit	Contributes to
Materials and Resources	MR Credit 4: Recycled Content	1 -2 point(s)
Materials and Resources	MR Credit 5: Regional Materials *	1 -2 point(s)
Materials and Resources	MR Credit 6: Rapidly Renewable Materials **	1 point
Materials and Resources	MR Credit 7: Certified Wood **	1 point
Indoor Environment Quality	IEQ Credit 4.5: Low-emitting Materials ...Seating	1 point

* Contribution to this credit is only applicable if a minimum 20% of the combined value of construction and Division 12 (Furniture) materials and products is used in a project within radius of 500 miles from the 9to5 Seating factory in Southern California.

** Contribution to this credit not currently available from 9 to 5 Seating's products.

Material Content Description

Material	Description	Percentage By Weight	Recycled Content[1]	End Life Management
Metal	Steel, Rod, Tubing, Cold/Hot rolled flat stock	18%	60% PC	Recycle where possible
Wood	Plywood, Wood Parts	22%	0% From Rapidly Renewable Forests	Recycle where possible
Foam	Polyurethane	17%	0%	Recycle where possible
Fabric	Natural / Synthetic	8%	0%-100%[2]	Recycle where possible
Plastic	Polypropylene, Nylon, ABS	17%	60% PC	Recycle where possible
Miscellaneous		18%	0%	Recycle where possible
		Total Post Consumer Recycled Content	**21.0% to 29.0%**	

PI = Post Industrial or Pre Consumer Recycled Content

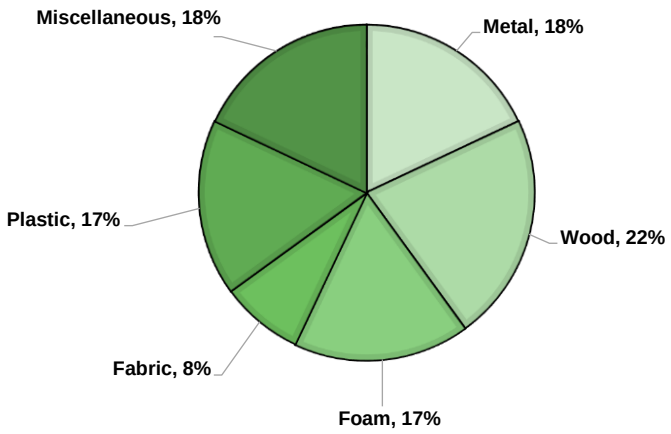
PC = Post Consumer Recycled Content

[1]Values are based on the recycled content of the total chair weight and the specific chair style

[2]Range based on specific fabric brand and type

Comments:

1. 9to5 Seating complies with the FTC's Guide for the Use of Environmental Marketing Claims.
2. 9to5 Seating encourages blanket-wrapped shipping - corrugated cartons are used for other modes.
3. Product recycling depends on local program.



Indoor Air Quality (IAQ) - Greenguard Certification

Good, clean, indoor air quality is critical to providing healthy environments for building occupants. People today spend as much as 90% of their time indoors. GREENGUARD Certification offers a way to keep pollutants out in the first place. Using products bearing the GREENGUARD Indoor Air Quality Certified® mark can rest easy knowing these products have been independently tested and meet one of the most rigorous chemical emission standards in the world. 9 to 5 Seating's GREENGUARD Certification makes them recommended by the U.S. Green Building Council's (USGBC) LEED® Rating System. We're proud of our certification and our commitment to the environment.

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