



Certified for LEED Compliance

GREEN CHECK CERTIFICATION

ITEM:	SITMATIC MODEL: ALPHA 173
REPORT DATE:	MARCH 26, 2008
TESTING STATUS:	PASSED
REPORT NO.:	SIT-343-001-01AA

The **SITMATIC MODEL ALPHA # 173** is certified compliant with LEED-CI Indoor Environmental Quality Credit 4.5 for Low-Emitting Materials, Systems Furniture and Seating.

Green Check Certification procedure is based on the ANSI / BIFMA M7.1-2007, ANSI / BIFMA X7.1-2007 MID-SCALE Chamber Test Protocol for Measuring Emissions of VOCs and Aldehydes. Independent laboratory testing conducted by Berkeley Analytical Associates, LLC, 815 Harbour Way South, Unit 6, Richmond, CA 94804-3612.

CHEMICAL	EMISSION LIMITS	RESULTS	PASS / FAIL
Total VOCs	$\leq 250 \text{ ug/m}^3$	126 ug/m^3	Pass
Formaldehyde	≤ 25 parts per billion	LQ*	Pass
Total Aldehydes	≤ 50 parts per billion	LQ*	Pass
4-Phenylcyclohexene	$\leq 3.25 \text{ ug/m}^3$	LQ*	Pass

***LQ** indicates calculated value is below its lower limit of quantitation.

Overview: The tested product consisted of a fully adjustable, high back, office chair with headrest, footring and vinyl upholstery. The chair was unpacked from its factory shipping container, placed inside a mid-scale chamber so that the casters were resting on the chamber floor, and tested without modification.

Summary: Emission tests are performed using procedures described in the ANSI/BIFMA M7.1-2007, "Standard Test Method for Determining VOC Emissions from Office Furniture Systems", Components and Seating. Many of these procedures also are described in ASTM D 6670-01, "Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Product". No conditioning period was used; instead, the sample was placed directly into the chamber and maintained at controlled conditions for 7 days (168 hours).

California 01350 Special Environmental Requirements: The State of California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Limit (CREL) list addresses volatile organic compounds (VOCs) with known chronic health effects. As recommended by the Collaborative for High Performance Schools (CHPs), the test sample PASSED, with NO DETECTED VOCs with CRELs.