

Indoor Air Quality - Furniture

2024 Renewal Certification Assessment

SCS Environmental Certification Services

Prepared for:

Logiflex Inc.

Headquartered in Sherbrooke, Quebec

Casegoods and Tables

Project Work Order: WO-274106

December 10, 2024



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Indoor Air Quality Renewal Certification Assessment

SCS Global Services, Environmental Certification Service completed an Indoor Air Quality certification assessment of Logiflex Inc.'s casegoods and tables products manufactured in Sherbrooke, QC. The lead auditor has completed a full assessment of the quality management assessment of each manufacturing site and product emissions review to determine conformance to SCS-105 Indoor Air Quality Performance Standard, CDPH/EHLB Standard Method (CA 01350) v1.2-2017 and ANSI/BIFMA M7.1/X7.1 Furniture Emission Standard. The results of the assessment are included within this assessment report.

This certification assessment has been completed in accordance with SCS' quality management system, ISO 19011 standard auditing practices, ISO/IEC 17065 and has been approved by the program manager. If there is a disagreement with the certification decision, please contact the Lead Auditor directly.

Authorized Signatures

AUDITOR INFORMATION			
Lead Auditor	Holly Bajko, Program Manager hbajko@scsglobalservices.com +1.831.421.1200	Date	December 9, 2024
SCS FINAL REVIEWER SIGNATURE			
SCS Decision Maker	Erik Hanba, Managing Director ehanba@scsglobalservices.com +1.510.421.1540		
Signature		Date	December 10, 2024

Executive Summary

Assessment Scope

Logiflex Inc.'s products and associated manufacturing site assessed for Indoor Advantage™ Gold certification are detailed in the associated work order, WO-274106. A **CHANGE OF SCOPE** was required to include additional product line configurations, which is detailed in the 2024 IAQ DRF. The new materials do not have any impact on emissions, thereby did not impact the work order fees or assessment scope.

Client Requests from the Document Request Form

SCS CERTIFICATE NUMBER	PRODUCT NAME	ACTION REQUESTED	MATERIAL DESCRIPTION	REFERENCE DOCUMENTS/TEST REPORTS	AUDITOR DECISION	AUDITOR RATIONALE
SCS-IAQ-08494	Volt	ADD	Laminate worksurface and storage; wood legs	Logiflex_2024_IAQ_DRF_client.xls	DENIED	Based on the results of testing, this product does not pass any conformance criteria and is not available without wood. For this reason, this product may not be added to the certification at this time.
SCS-IAQ-11065	Xtension	ADD	Laminate panel, worksurface, and storage components; tackable panel accessory option, wood	Logiflex_2024_IAQ_DRF_client.xls	Approved	The client tested representative samples for the laminate with knife edge, wood, and tackboard. Based on the results of testing, the Xtension system can be added to a new systems certificate.

SCS-IAQ-08494	Salto Collection	ADD	Laminate worksurface and modesty panels with metal legs	Logiflex_2024_IAQ_DRF_client.xls	Approved	This product uses the same laminate as other products and falls within the worst-case laminate with knife edge. Therefore, this product can be added to the existing certification.
SCS-IAQ-08494	Lockers Collection	ADD	Laminate	Logiflex_2024_IAQ_DRF_client.xls	Approved	This product uses the same laminate as other products and falls within the worst-case laminate with knife edge. Therefore, this product can be added to the existing certification.

Quality Management System Review

No changes were made to the client's Quality Management System per the Document Request Form submitted.

Certification Assessment Results

Emissions Summary and Recommendations

Tested Product/Material	Xtension System (White Laminate Panel; Tackboard Panel, wood leg)
Lab Report #	2400653-01; 2400653-02; 2400653-03
Manufacturing Site(s)	Logiflex; Sherbrooke, Canada
Model Type	Direct Scale
Sample Result Summary	Product complies with all indoor air quality emissions criteria except 7.6.3 Open Plan and CA 01350 Open Plan.
Sample Plan Rationale	The laminate with knife edge represents with worst-case for all worksurface, storage, and panel components. The tackboard panel represents the worst-case for all tackboard accessories. The wood leg represents the available wood materials. Represents certificate numbers SCS-IAQ-11065.
Reference Documentation	Logiflex_2024_IAQ_WKBK_Xtension system.xls

Workstation System:

Compound Emission Factor ($\mu\text{g}/\text{m}^2\text{-hr}$)			Indoor Advantage™		Indoor Advantage™ Gold				
	168-hour Actual	336-hour Predicted	168-hour Maximum Allowable		336-hour Maximum Allowable				
			ANSI/BIFMA M7.1/X7.1 (ANSI/BIFMA e3 7.6.1) Open Plan	ANSI/BIFMA M7.1/X7.1 (ANSI/BIFMA e3 7.6.1) Private Office	CA 01350 Open Plan	ANSI/BIFMA e3 7.6.2 Open Plan	ANSI/BIFMA e3 7.6.2 Private Office	ANSI/BIFMA e3 7.6.3 Open Plan	ANSI/BIFMA e3 7.6.3 Private Office
Acetaldehyde	--	2.08	--	--	48	48	97	--	--
Dimethylformamide (N,N-)	--	2.05	--	--	28	28	56	--	--
Phenol	--	0.48	--	--	69	69	139	--	--
Toluene	--	0.03	--	--	103	103	209	--	--
Xylenes (o-, m-, p-)	--	0.14	--	--	241	241	487	--	--
Formaldehyde	11.20	10.07	42.3	85.1	6.2	11	23	6.2	12.5
Phenylcyclohexene (4-PCH)	0.00	--	9.0	4.5	--	--	--	--	--
TOTAL VOC	28.68	--	345	694	--	--	--	--	--
TOTAL Aldehydes (in $\mu\text{mol}/\text{m}^2\text{-hr}$)	0.41	--	2.8	5.7	--	--	--	--	--
RESULT			PASS	PASS	FAIL	PASS	PASS	FAIL	PASS

Tested Product/Material	White Laminate Panel
Lab Report #	2400653-01
Manufacturing Site(s)	Logiflex; Sherbrooke, Canada
Model Type	Individual Furniture Component
Sample Result Summary	Product complies with all indoor air quality emissions criteria.
Sample Plan Rationale	The laminate with knife edge represents with worst-case for all worksurface, storage, and panel components. Represents certificate numbers SCS-IAQ-08494
Reference Documentation	Logiflex_2024_IAQ_WKBK_Xtension system_typicals.xls

			Indoor Advantage™		Indoor Advantage™ Gold				
			168-hour Maximum Allowable		336-hour Maximum Allowable				
Compound Emission Factor (µg/m ² -hr)	168-hour Actual	336-hour Predicted	ANSI/BIFMA M7.1/X7.1 (ANSI/BIFMA e3 7.6.1) Open Plan	ANSI/BIFMA M7.1/X7.1 (ANSI/BIFMA e3 7.6.1) Private Office	CA 01350 Open Plan	ANSI/BIFMA e3 7.6.2 Open Plan	ANSI/BIFMA e3 7.6.2 Private Office	ANSI/BIFMA e3 7.6.3 Open Plan	ANSI/BIFMA e3 7.6.3 Private Office
Acetaldehyde	--	2.19	--	--	48	48	97	--	--
Dimethylformamide (N,N-)	--	2.15	--	--	28	28	56	--	--
Formaldehyde	5.30	5.35	42.3	85.1	6.2	11	23	6.2	12.5
Phenol	--	0.51	--	--	69	69	139	--	--
Phenylcyclohexene (4-PCH)	0.00	--	4.5	9.0	--	--	--	--	--
TOTAL VOC	21.00	--	345	694	--	--	--	--	--
TOTAL Aldehydes (in µmol/m ² -hr)	0.10	--	2.8	5.7	--	--	--	--	--
RESULT			PASS	PASS	PASS	PASS	PASS	PASS	PASS

Tested Product/Material	Volt (White Laminate Panel, Wood leg)
Lab Report #	2400653-01; 2400653-03
Manufacturing Site(s)	Logiflex; Sherbrooke, Canada
Model Type	Direct Scale
Sample Result Summary	Product does not comply with any indoor air quality emissions criteria.
Sample Plan Rationale	A representative sample of the Volt wood leg was paired with the worst-case representative for tables.
Reference Documentation	Logiflex_2024_IAQ_WKBK_Volt table.xls

			Indoor Advantage™		Indoor Advantage™ Gold				
			168-hour Maximum Allowable		336-hour Maximum Allowable				
Compound Emission Factor (µg/m ² -hr)	168-hour Actual	336-hour Predicted	ANSI/BIFMA M7.1/X7.1 (ANSI/BIFMA e3 7.6.1) Open Plan	ANSI/BIFMA M7.1/X7.1 (ANSI/BIFMA e3 7.6.1) Private Office	CA 01350 Open Plan	ANSI/BIFMA e3 7.6.2 Open Plan	ANSI/BIFMA e3 7.6.2 Private Office	ANSI/BIFMA e3 7.6.3 Open Plan	ANSI/BIFMA e3 7.6.3 Private Office
Acetaldehyde	--	0.54	--	--	48	48	97	--	--
Dimethylformamide (N,N-)	--	0.53	--	--	28	28	56	--	--
Phenol	--	0.12	--	--	69	69	139	--	--
Toluene	--	2.14	--	--	103	103	209	--	--
Xylenes (o-, m-, p-)	--	9.56	--	--	241	241	487	--	--
Formaldehyde	218.45	135.65	42.3	85.1	6.2	11	23	6.2	12.5
Phenylcyclohexene (4-PCH)	0.00	--	9.0	4.5	--	--	--	--	--
TOTAL VOC	532.94	--	345	694	--	--	--	--	--
TOTAL Aldehydes (in µmol/m ² -hr)	7.28	--	2.8	5.7	--	--	--	--	--
RESULT			FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL

Lab Testing Requirements

The table below is a checklist of the standard requirements for product testing and report results according to SCS-105 Indoor Air Quality Performance Standard and ANSI/BIFMA M7.1/X7.1.

REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	CONFORMANCE ISSUE
Laboratory is a qualified ISO 17025 certified laboratory. [Reference: SCS-105 Section 6.2]	2400653 Logiflex SCS Furniture Component VOC Emissions Test Report.pdf	MAS is an SCS-approved laboratory.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
The manufacturer has submitted results in accordance with ANSI/BIFMA M7.1/X7.1 [Reference: SCS-105 Section 6.2]	2400653 Logiflex SCS Furniture Component VOC Emissions Test Report.pdf	Requirement met.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
Samples for testing are selected by a SCS auditor or a person authorized by SCS. [Reference: SCS-105 Section 6.1]	Email: RE_ Logiflex 2024 Renewal DRF and Audit Plan	Samples selected by an SCS Lead Auditor.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
The samples are selected from a production lot that is representative of the processes and quality the manufacturer intends to present to the market. [Reference: SCS-105 Section 6.2]	2400653 Logiflex SCS Furniture Component VOC Emissions Test Report.pdf	Small-scale samples represent the typical production process.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
Samples submitted to the laboratory are in accordance with ANSI/BIFMA M7.1/X7.1. [Reference: SCS-105 Section 6.2]	2400653 Logiflex SCS Furniture Component VOC Emissions Test Report.pdf	Requirement met.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

Indoor Air Quality Certification Summary

The following table details the conformance and product categories that have met Indoor Advantage™ Gold product certification requirements. Products that have met Indoor Advantage™ Gold certification also comply with the following criteria: Collaborative for High Performance Schools (CHPS) 2009 Criteria, EQ2.2.3; and USGBC LEED 2009 and V4 criteria for low emitting materials (Furniture).

The certification date range for the products certified below is December 16, 2024 through December 15, 2025.

CERTIFICATE NUMBER	PRODUCT CATEGORY	CERTIFICATE CHANGES	CONFORMANCE	QUALIFICATIONS
SCS-IAQ-08494	Casegoods/ Tables	(ADD) Salto Collection, Lockers Collection	(CHANGE) Indoor Advantage™ Gold Indoor Air Quality Certified to SCS-105 v4.2 Conforms to the ANSI/BIFMA Furniture Emissions Standard (M7.1/X7.1-2011 R2021) and ANSI/BIFMA e.3-2019 (Credits 7.6.1, 7.6.2, 7.6.3) for the open plan and private office workstation parameters.1 Also, conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the open plan and school classroom parameters.1 1 Modeled as an Individual Furniture Component	None
SCS-IAQ-11065	Systems	(ADD) Xtension	(Initial) Indoor Advantage™ Gold Indoor Air Quality Certified to SCS-105 v4.2 Conforms to the ANSI/BIFMA Furniture Emissions Standard (M7.1/X7.1-2011 R2021) and ANSI/BIFMA e.3-2019 (Credits 7.6.1, 7.6.2) for the open plan and (Credits 7.6.1, 7.6.2, 7.6.3) private office workstation parameters.1 1 Modeled as Workstation System	None

Product Conformance Summary

No production or quality management system conformance issues were identified in this audit. The client continues to perform as a low-risk manufacturer and has reported a reduced emission profile for this assessment by submitting samples that have followed a typical manufacturing procedure versus a rush production procedure.

Appendix – Renewal Audit Recommendations

Renewal Sample Selection

The following table represents suggested sample selections for emissions testing. The frequency and required number of samples is dependent on the quality management systems review per manufacturing site and emissions history review completed during each renewal assessment by the auditor. At a minimum, the recommended sample plan is based on renewal testing at a three-year frequency, unless there have been changes to the materials, production, or quality management system that could increase the emissions profile of the representative product for each product category.

Testing should not be required during the 2025 assessment pending no major material production, supplier, or quality management changes.

PRODUCT CATEGORY	PRODUCT LINE/MATERIAL	PAST LAB RESULT	RENEWAL YEAR	AUDITOR RATIONALE
Worksurface: Tables, Casegoods, Systems	White Laminate Panel	2400653-01	2027	Representative worst-case test results expire after three years. The representative samples will need to be retested prior to the referenced renewal year.
Tackboard: Systems	Tackboard Panel	2400653-02	2027	
Wood Option: Systems	Wood Leg	2400653-03	2027	