



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Manufacturing Solutions Center

a.k.a. Hosiery Technology Center

A division of Catawba Valley Community College

301 Conover Station SE

Conover, NC 28613

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

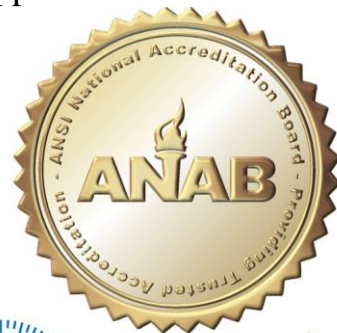
L2238

Certificate Number



ANAB Approval

Certificate Valid Through: 02/01/2022
Version No. 003 Issued: 01/22/2020



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Manufacturing Solutions Center
a.k.a. Hosiery Technology Center
A division of Catawba Valley Community College

301 Conover Station SE
Conover, NC 28613
Kathy Winters
828 327 7000 ext. 4151

TESTING

Valid to: February 01, 2022

Certificate Number: L2238

Microbiological

Table with 4 columns: Specific Tests and/or Properties Measured, Specification, Standard, Method, or Test Technique, Items, Materials or Product Tested, Key Equipment or Technology. Rows include Assessment of Antibacterial Finishes, Antibacterial Activity: Parallel Streak Method, and Antimicrobial Activity.

Thermal

Table with 4 columns: Specific Tests and/or Properties Measured, Specification, Standard, Method, or Test Technique, Items, Materials or Product Tested, Key Equipment or Technology. Row includes Flammability.



Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Breaking Strength/ Elongation of Textile Fabrics (Grab Test) (See Note 4)	ASTM D5034	Textiles	CRE Tensile Testing Machine
Tearing Strength of Fabrics - Trapezoid (See Note 4)	ASTM D5587	Textiles	CRE Tensile Testing Machine
Tearing Strength of nonwoven fabrics - Trapezoid (See Note 4)	ASTM D5733-99	Textiles	CRE Tensile Testing Machine
Mass per unit Area (See Note 4)	ASTM D3776	Textiles	Gravimetric
General Purpose Office Chairs - Seating Durability Tests – Cyclic	ANSI/BIFMA X5.1, Section 10	Furniture	Drop Tester Universal Tester
General Purpose Office Chairs - Stability Tests (See Note 6)	ANSI/BIFMA X5.1, Section 11	Furniture	Universal Tester
General Purpose Office Chairs - Footrest Static Load Test – Vertical	ANSI/BIFMA X5.1, Section 18	Furniture	Universal Tester
General Purpose Office Chairs - Footrest Durability Test – Vertical – Cyclic	ANSI/BIFMA X5.1, Section 19	Furniture	Universal Tester
General Purpose Office Chairs - Structural Durability	ANSI/BIFMA X5.1, Section 24	Furniture	Universal Tester
Lounge and Public Seating – Backrest Strength Test – Horizontal – Static (See Note 6)	ANSI/BIFMA X5.4, Section 5	Furniture	Universal Tester



Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Lounge and Public Seating – Backrest Strength Test – Vertical - Static	ANSI/BIFMA X5.4, Section 6	Furniture	Universal Tester
Lounge and Public Seating – Backrest Durability Test – Horizontal – Cyclic (See Note 6)	ANSI/BIFMA X5.4, Section 7	Furniture	Universal Tester
Lounge and Public Seating – Backrest Durability Test – Vertical - Cyclic	ANSI/BIFMA X5.4, Section 8	Furniture	Universal Tester
Lounge and Public Seating – Arm Strength Test – Horizontal – Static	ANSI/BIFMA X5.4, Section 9	Furniture	Universal Tester
Lounge and Public Seating – Arm Strength Test – Vertical – Static	ANSI/BIFMA X5.4, Section 10	Furniture	Universal Tester
Lounge and Public Seating – Arm Durability Test – Horizontal – Cyclic	ANSI/BIFMA X5.4, Section 11	Furniture	Universal Tester
Lounge and Public Seating – Arm Durability Test for Multiple Seating Units – Vertical – Cyclic	ANSI/BIFMA X5.4, Section 12	Furniture	Universal Tester
Lounge and Public Seating – Arm Durability Test for Single Seating Units – Angular – Cyclic	ANSI/BIFMA X5.4, Section 13	Furniture	Universal Tester



Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Lounge and Public Seating – Drop Test - Dynamic	ANSI/BIFMA X5.4, Section 15	Furniture	Hoist
Lounge and Public Seating – Leg Strength Test – Front and Side Application	ANSI/BIFMA X5.4, Section 16	Furniture	Universal Tester
Lounge and Public Seating – Unit Drop Test - Dynamic	ANSI/BIFMA X5.4, Section 17	Furniture	Hoist
General Purpose large Occupant Office Chairs - Seating Durability Tests - Cyclic	ANSI/BIFMA X5.11, Section 11	Furniture	Drop Tester Universal Tester
Desk/Table Products – Tests Stability Under Vertical Load Test	ANSI/BIFMA X5.5, section 4.3	Furniture – Desk/Tables	Force Disks Weight Bags
Desk/Table Products – Tests Concentrated Functional Load Test	ANSI/BIFMA X5.5, section 5.2	Furniture – Desk/Tables	Force Disks Weight Bags
Desk/Table Products – Tests Distributed Functional Load Test	ANSI/BIFMA X5.5, section 5.3	Furniture – Desk/Tables	Weight Bags
Desk/Table Products – Tests Concentrated proof Load Test	ANSI/BIFMA X5.5, section 5.4	Furniture – Desk/Tables	Force Disks Weight Bags
Desk/Table Products – Tests Distributed Proof Load Test	ANSI/BIFMA X5.5, section 5.5	Furniture – Desk/Tables	Weight Bags



Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Desk/Table Products – Tests Top Load Ease Test	ANSI/BIFMA X5.5, section 6	Furniture – Desk/Tables	Universal Tester
Desk/Table Products – Tests Desk/Table Unit Drop Test	ANSI/BIFMA X5.5, section 7	Furniture – Desk/Tables	Hoist
Desk/Table Products – Tests Leg Strength Test	ANSI/BIFMA X5.5, section 8	Furniture – Desk/Tables	Universal Tester
Furniture – Tables – Test Methods for the Determination of Stability, Strength, and Durability – Horizontal Durability Test	BS EN 1730, section 6.4.2	Furniture - Tables	Universal Tester

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2238.
2. Automatic Enumeration systems are used in the Antimicrobial test methods.
3. Culture storage at 5 +/- 2 deg C.
4. Conditioning: Temperature at 21 +/- 2 deg C; Humidity at 65 +/- 5% RH.
5. This laboratory offers commercial testing service.
6. Modified Chair Measuring Device used.



Vice President