



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

THE MICROSTAR LAB, LTD.
130 Erick Street
Crystal Lake, IL 60014
Debbie Koester Phone: 815 526 0954

BIOLOGICAL

Valid To: August 31, 2025

Certificate Number: 2832.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following microbiological testing on military products, aircraft components, building materials, textiles, paints and coatings, paper, plastics and polymers, and telecommunication components:

Test Method(s)	Test
AATCC TM 30 Test III	Antifungal Activity of Textile Materials
AATCC TM 100	Antibacterial Finishes on Textile Materials
AATCC TM 174 Part I, II, III	Antimicrobial Activity Assessment of New Carpets
ASTM C 1338	Fungus Resistance of Insulation Materials and Facings
ASTM D 2574	Resistance of Emulsion Paints in the Container to Attack by Microorganisms
ASTM D 3273	Resistance to the Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
ASTM D 5590	Resistance of Paint Films and Related Coating to Fungal Defacement by Accelerated Four-Week Agar Plate Assay
ASTM D 7855/D 7855M	Determination of Mold Growth on Coated Building Product Designed for Interior Applications Using an Environmental Chamber and Indirect Inoculation
ASTM E 1428	Antimicrobials in or on Polymeric Solids Against Staining by <i>Streptomyces</i> species (A Pink Stain Organism)
ASTM E 2149	Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions
ASTM E 2180	Incorporated Antimicrobial Agent(s) in Polymeric or Hydrophobic Materials
ASTM G 21	Resistance of Synthetic Polymeric Materials to Fungi
ISO 20743	Textiles – Determination of Antibacterial Activity of Textile Products
ISO 22196	Antibacterial Activity of Plastics and Other Non-Porous Surfaces
JIS L 1902	Textiles – Determination of Antibacterial Activity and Efficacy of Textile Products

Test Methods(s)	Test
JIS Z 2801	Antimicrobial Activity and Efficacy of Antibacterial Products
MIL STD 810 C Method 508.2 MIL STD 810 D Method 508.3 MIL STD 810 E Method 508.4 MIL STD 810 F Method 508.5 MIL STD 810 G Method 508.6 MIL STD 810 G w/Change 1 Method 508.7 MIL STD 810 H Method 508.8	Department of Defense Test Method Standard Environmental Engineering Considerations and Laboratory Tests Military Standard – Method 508 Fungus
RTCA/DO-160 D Section 13 RTCA/DO-160 E Section 13 RTCA/DO-160 F Section 13 RTCA/DO-160 G Section 13	Environmental Conditions and Test Procedures for Airborne Equipment Section 13 – Fungus Resistance
TAPPI T-487	Fungus Resistance to Paper and Paperboard

KEY:

AATCC TM = American Association of Textile Chemists and Colorists Test Method

ASTM = American Society for Testing and Materials

ISO = International Organization for Standards

JIS = Japanese Industrial Standards

MIL-STD = Military Standard

RTCA = Radio Technical Commission for Aeronautics

TAPPI = Technical Association of the Pulp and Paper Industry



Accredited Laboratory

A2LA has accredited

THE MICROSTAR LAB, LTD.

Crystal Lake, IL

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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).



Presented this 24th day of July 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2832.01
Valid to August 31, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.