



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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

BIOLOGICAL

Valid To: August 31, 2019

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
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	Military Standard Fungus Resistance
RTCA/DO-160 D Section 13 RTCA/DO-160 E Section 13 RTCA/DO-160 F Section 13 RTCA/DO-160 G Section 13	Fungus Resistance Testing for Airborne Equipment
ASTM C 1338	Fungus Resistance of Insulation Materials and Facings
ASTM D 3273	Resistance to the Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
ASTM G 21	Resistance of Synthetic Polymeric Materials to Fungi
ASTM D 5590	Resistance of Paint Films and Related Coating to Fungal Defacement by Agar Plate Assay
TAPPI T-487	Fungus Resistance to Paper and Paperboard
AATCC TM 30 Test III	Antifungal Activity of Textile Materials

Test Methods(s)	Test
ASTM E 2149	Antimicrobial Activity of Immobilized Antimicrobial Agents Under Dynamic Conditions
ASTM E 1428	Antimicrobials in or on Polymeric Solids Against Staining by <i>Streptovorticillium reticulum</i> (A Pink Stain Organism)
ASTM E 2180	Incorporated Antimicrobial Agent(s) in Polymeric or Hydrophobic Materials
ASTM D 2574	Resistance of Emulsion Paints in the Container to Attack by Microorganisms
AATCC TM 100 - GLP	Antibacterial Finishes on Textile Materials
AATCC TM 174 Part I, II, III	Antimicrobial Activity Assessment of Carpets
JIS Z 2801	Antimicrobial Activity and Efficacy of Antibacterial Products
ISO 22196	Antibacterial Activity of Plastics and Other Non-porous Surfaces
ASTM D7855/D7855M	Standard Test Method for Determination of Mold Growth on Coated Building Product Designed for Interior Applications Using an Environmental Chamber and Indirect Inoculation
JIS L 1902 - GLP	Testing for Antibacterial Activity and Efficacy on Textile Products
ISO 20743 - GLP	Textiles - Determination of Antibacterial Activity of Antibacterial Finished Products

Key:

AATCC TM	= American Association of Textile Chemists and Colorists Test Method
ASTM	= ASTM International
GLP	= Good Laboratory Practices
ISO	= International Organization for Standardization
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 17025:2005 *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 8 January 2009).



Presented this 14th day of June 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2832.01
Valid to August 31, 2019

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