

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

THE MICROSTAR LAB, LTD.  
130 Erick Street  
Crystal Lake, IL 60014  
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## BIOLOGICAL

Valid To: August 31, 2017

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	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	Testing for Antibacterial Activity and Efficacy on Textile Products
ISO 20743	Textiles - Determination of Antibacterial Activity of Antibacterial Finished Products

Key:

AATCC TM	= American Association of Textile Chemists and Colorists Test Method
ASTM	= ASTM International
JIS	= Japanese Industrial Standard
MIL-STD	= Military Standard
RTCA	= Radio Technical Commission for Aeronautics
TAPPI	= Technical Association of the Pulp and Paper Industry
ISO	= International Organization for Standardization





## *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 13<sup>th</sup> day of July 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 2832.01  
Valid to August 31, 2017

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