



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Micro Measurement Laboratories, Inc.

1300 South Wolf Road
Wheeling, IL 60090

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 02 December 2024
Certificate Number: AT-3155



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

Micro Measurement Laboratories, Inc.

1300 South Wolf Road
 Wheeling, IL 60090
 Dan Berdovich
 dberdovich@mmlabs.com

TESTING

Valid to: **December 2, 2024**

Certificate Number: **AT-3155**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Particulate matter based on particle size and count (>10u and >25u)	USP 788 Method I, Laser Light Obscuration (LO) mode	Drug product solutions and ingredients packaged in vials, syringes, and ampules	Liquide particle counter using LO
Particulate matter based on particle size and count (>0.56um to 350um)	USP 788 Method I, Laser (LO) mode combined with Light Scattering to extend size range to 0.56um	Drug product solutions and ingredients packaged in vials, syringes, and ampules	Liquide particle counter using LO and Light Scattering
Particulate matter based on particle size and count (>10u and >25u)	USP 788 Method II, Microscope Membrane examination	Examination of particles of filtered drug product solutions on Membrane	Optical microscope
Particle size distribution based on Dynamic Light Scattering (DLS)	USP 729 Method I for TPN emulsions	Submicron drug products (TPN emulsions)	Dynamic Light Scattering (DLS)
Dynamic flow imaging of aggregated proteins in solution	USP 1788 Method III	Visual comparison of shape and sizes of protein particles	Flow imaging instrument

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-3155.



R. Douglas Leonard Jr., VP, PILR SBU