



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**NSI Lab Solutions, Inc.**  
**7212 ACC Blvd.**  
**Raleigh, NC 27617**

Fulfills the requirements of

**ISO/IEC 17043:2010**

In the field of

**PROFICIENCY TESTING PROVIDER**

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](http://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: 08 October 2022

Certificate Number: AP-1693



This proficiency testing provider is accredited in accordance with the recognized International Standard ISO/IEC 17043:2010.  
This accreditation demonstrates technical competence for a defined scope and the operation of a proficiency testing provider quality management system.

**SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010**

**NSI Lab Solutions, Inc.**

7212 ACC Blvd.  
Raleigh, NC 27617  
Mark Hammersla Phone: 919-789-3000

**PROFICIENCY TEST PROVIDER**

Valid to: **October 8, 2022**

Certificate Number: **AP-1693**

**Microbiological**

Description of Item	Properties Measured	Procedure for Establishing Assigned Value
Food Items	Sanitation Indicators – Quantitative: Aerobic Count Coliforms Enterobacteriaceae S. aureus Escherichia coli Yeast/Mold B. cereus Lactic Acid Bacteria Campylobacter jejuni Clostridium spp	Consensus Value of Participants
Cannabis	Indicators – Quantitative: Aerobic Count Coliforms Enterobacteriaceae Escherichia coli Yeast/Mold	Consensus Value of Participants
Food Items	Pathogens – Qualitative: Presence/Absence	Reference Value
Cannabis/Cannabis Products and Edibles	Pathogens – Qualitative: Presence/Absence	Reference Value

### Chemical

Description of Item	Properties Measured	Procedure for Establishing Assigned Value
Cannabis/Cannabis Products	Metals / Elements	Consensus Value of Participants
Cannabis/Cannabis Products	Pesticides	Consensus Value of Participants
Cannabis/Cannabis Products	Mycotoxins	Consensus Value of Participants
Cannabis/Cannabis Products	Terpenes	Consensus Value of Participants
Cannabis/Cannabis Products	Residual Solvents	Consensus Value of Participants
Cannabis/Cannabis Products	Potency, CBDs	Consensus Value of Participants
Cannabis/Cannabis Products	Loss on Drying	Consensus Value of Participants
Cannabis/Cannabis Products	Water Activity	Consensus Value of Participants
Cannabis/Cannabis Products	Light Filth and Extraneous Matter	Known Value / Reference Value
Food Items	Proximates/Elements	Consensus Value of Participants
Food Items	Allergens – Qualitative: Presence/Absence of Gluten, Soy, Egg, Milk, Peanut, Crustacean	Reference Value

### Pharmaceutical

Description of Item	Properties Measured	Procedure for Establishing Assigned Value
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Qualitative: Presence/Absence Identification by RT match  Quantitative: Purity/Concentration by GC or HPLC Assay	Qualitative: Reference Value  Quantitative: Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Water Content	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Loss on Drying	Consensus Value from Participants



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Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Purity/Concentration by Titrimetric Assay	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	pH	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Conductivity	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Loss on Ignition	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Elemental Impurities	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Residual Solvents – Qualitative and Quantitative	Qualitative: Reference Value Quantitative: Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Optical Rotation	Reference Value
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Dosage Uniformity	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Presence/Absence Identification by FTIR	Reference Value
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Residue on Ignition	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Refractive Index	Reference Value
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Presence/Absence Identification by UV/Vis	Reference Value
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Sterility by USP <71>	Reference Value
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Microbial Enumeration by USP <61>	Consensus Value from Participants
Active Pharmaceutical Ingredients and Pharmaceutical Excipients	Presence/Absence of Specified Organisms by USP <62>	Reference Value

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AP-1693.

R. Douglas Leonard Jr., VP, PILR SBU