



# 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 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](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 2024  
Certificate Number: AT-1690



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

### NSI Lab Solutions, LLC

7212 ACC Blvd.

Raleigh, NC 27617

Quentisha Forrester Phone: 919-789-3000

[Quentisha.forrester@nsilabsolutions.com](mailto:Quentisha.forrester@nsilabsolutions.com)

[www.nsilabsolutions.com](http://www.nsilabsolutions.com)

### TESTING

Valid to: **October 8, 2024**

Certificate Number: **AT-1690**

#### Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Volatile Organic Compounds	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/FID, GC/ECD
Semivolatile Organics	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/FID, HPLC
OC, ON, & OP Pesticides, Mycotoxins, Cannabinoids	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/FID, GC/ECD, LCMS
PCBs, Chlordane, & Toxaphene	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/FID, GC/ECD
Haloacetic Acids	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/ECD
Herbicides	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/ECD, HPLC
Petroleum Hydrocarbons, Oil & Grease, Oils, & Fuels	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, GC/FID
Carbamate Pesticides	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Polynuclear Aromatic Hydrocarbons	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, HPLC

**Chemical**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Nitroaromatics & Nitramines	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Paraquat, Diquat, Glyphosate, and Endothall	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Glycine (TKN), KHP, Glucose / Glutamic Acid, and MBAS	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Sugars / Carbohydrates	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Sugar Alcohols	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Organic Acids	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	HPLC
Sweeteners / Additives	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, HPLC
Contaminants	Internal SOP – C31123	Reference Materials, Certified Reference Materials, or PT Samples	GC/MS, HPLC
Anions	Internal SOP – C41060	Reference Materials, Certified Reference Materials, or PT Samples	IC Ion Chromatography
Metals, Total Phosphorus	Internal SOP – C41062	Reference Materials, Certified Reference Materials, or PT Samples	ICP
Acidity	Internal SOP – C42014	Reference Materials, Certified Reference Materials, or PT Samples	Titration Apparatus
Alkalinity	Internal SOP – C42010	Reference Materials, Certified Reference Materials, or PT Samples	Titration Apparatus
Total Dissolved Solids and Total Solids	Internal SOP – C42021	Reference Materials, Certified Reference Materials, or PT Samples	Analytical balances, Ovens
Total Suspended Solids	Internal SOP – C42021	Reference Materials, Certified Reference Materials, or PT Samples	Analytical balances, Ovens

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Settleable Solids	Internal SOP – C42046	Reference Materials, Certified Reference Materials, or PT Samples	Imhoff
Total Volatile Solids	Internal SOP – C42059	Reference Materials, Certified Reference Materials, or PT Samples	Analytical balances, Ovens
Oil & Grease	Internal SOP – C31150	Reference Materials, Certified Reference Materials, or PT Samples	Analytical balances, Ovens
Total Dissolved Solids	Internal SOP – C42041	Reference Materials, Certified Reference Materials, or PT Samples	Analytical balances, Ovens
pH	Internal SOP – C31148	Reference Materials, Certified Reference Materials, or PT Samples	pH Meter
Conductivity	Internal SOP – C42009	Reference Materials, Certified Reference Materials, or PT Samples	Conductivity Meter
Salinity	Internal SOP – C42009	Reference Materials, Certified Reference Materials, or PT Samples	Conductivity Meter
Turbidity	Internal SOP – C31149	Reference Materials, Certified Reference Materials, or PT Samples	Turbidimeter
Ammonia, Cyanide, Color, Residual/Free Chlorine, COD, UV254, Sulfide, Silica, and Hexavalent Chromium	Internal SOP – C41087	Reference Materials, Certified Reference Materials, or PT Samples	Hach Spectrometer
°Brix	Internal SOP – C42057	Reference Materials, Certified Reference Materials, or PT Samples	Brix Refractometer
Water Activity	AquaLab Operating Manual Version May 28, 2016	Reference Materials, Certified Reference Materials, or PT Samples	Dewpoint Meter
Water Content	Internal SOP-C42060	Reference Materials, Certified Reference Materials, or PT Samples	Karl Fisher Titration
Identity Confirmation	USP <197A>	Reference Materials, Certified Reference Materials, or PT Samples	FTIR

**Microbiological**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>E. coli</i> , Fecal Coliform, Total Coliform	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	IDEXX QuantiTray
HPC, TVC	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	IDEXX SimPlate IDEXX QuantiTray
<i>E. coli</i> , Fecal, Total Coliform	Internal SOP – C42017 SM 9222	Reference Materials, Certified Reference Materials, or PT Samples	Membrane Filtration
Enterococci	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	IDEXX QuantiTray
Enterococci	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	Plate Count
<i>P. aeruginosa</i> , <i>K. pneumoniae</i> , <i>E. aerogenes</i>	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	IDEXX QuantiTray
<i>Legionella</i> , <i>spp</i>	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	IDEXX QuantiTray
<i>E. coli</i> , Total Coliform, Aerobic Plate Counts, <i>Staphylococcus aureus</i> , <i>Enterobacteriaceae</i> , <i>E. coli</i> , <i>Salmonella</i> , <i>Listeria spp.</i> , Yeast / Mold	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	Petrfilm

**Microbiological**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>E. coli, spp; Klebsiella spp; Salmonella spp; E. faecalis; Listeria spp; P. aeruginosa; S. aureus; Lactobacillus spp; E. aerogenes; Bacillus spp, Legionella, spp, Staphylococcus spp, Candida spp, Aspergillus spp, Clostridium spp. Campylobacter spp, Enterobacteriaceae, Saccharomyces cerevisiae, Aeromonas hydrophila, Shigella spp., Streptococcus spp., Vibrio spp.</i>	Internal SOP – C42017	Reference Materials, Certified Reference Materials, or PT Samples	Spiral Plate Counter

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1690.



R. Douglas Leonard Jr., VP, PILR SBU

