



## 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 17034:2016**

In the field of

**REFERENCE MATERIAL PRODUCER**

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).

R. Douglas Leonard Jr., VP, PILR SBU  
Expiry Date: 08 October 2022  
Certificate Number: AR-1571



This reference material producer is accredited in accordance with the recognized International Standard ISO 17034:2016.  
This accreditation demonstrates technical competence for a defined scope and the operation of a reference material producer quality management system.



**SCOPE OF ACCREDITATION TO ISO 17034:2016**

**NSI Lab Solutions**

7212 ACC Blvd  
 Raleigh, NC 27617

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**REFERENCE MATERIAL PRODUCER**

Valid to: **October 8, 2022**

Certificate Number: **AR-1571**

**Chemical**

<b>Sub-Category of Reference Material</b>	<b>ILAC RM Category</b>	<b>Class or Type of Reference Materials Produced (Include Range Where Applicable)</b>	<b>Methods or Techniques Used in the RMP Laboratory (if Appropriate)</b>
Reference Materials and Certified Reference Materials	A1.6 High Purity Metals	Metals	ICP
Reference Materials and Certified Reference Materials	A2.6 Pure Chemicals	Minerals Silica	IC ICP Titration Spectroscopy
Reference Materials and Certified Reference Materials	A3.1 Pure Organic Compounds  A3.2 Fertilizers  A3.5 Petroleum Products	PCBs, Toxaphene, & Chlordane Pesticides – OC, ON, & OP Carbamate Pesticides Volatile Organic Compounds (VOCs) Semivolatiles (SVOCs) Petroleum Hydrocarbons (TPH/DRO/GRO) Polynuclear Aromatic Hydrocarbons Herbicides Phenolics Paraquat/Diquat/Glyphosate / Endothal Haloacetic Acids Nitroaromatics & Nitramines Total Organic Halides (TOX) Sugars / Carbohydrates	GC-FID GC-ECD GC-MS HPLC Spectrometer Gravimetry LCMS





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**Chemical**

Sub-Category of Reference Material	ILAC RM Category	Class or Type of Reference Materials Produced (Include Range Where Applicable)	Methods or Techniques Used in the RMP Laboratory (if Appropriate)
		KHP Sugar Alcohols Organic Acids Contaminants Sweeteners/Additives Organic & Inorganic Disinfection By-Products	
Reference Materials and Certified Reference Materials	A4.6 BOD Reference Compounds  A4.3 Waters	Glucose/Glutaric Acid (BOD, COD, CBOD, TOC) TOC / DOC Turbidity Solids (TDS, TSS, TS, TVS, Settleable) Oil & Grease Surfactants - MBAs Nutrients Color Residual/Free Chlorine	Turbidimeter Gravimetry HPLC Spectrometer Imhoff
Reference Materials and Certified Reference Materials	A4.3 Waters  A9.2 Ion Selective Electrode Calibrants  A9.3 Conductivity Standards	Anions / Cations Acidity / Alkalinity pH / Conductivity Nitrite Cyanide Sulfide Hardness Corrosivity Perchlorate	IC pH Probe Conductivity Meter Titration ICP Spectrometer

**Biological and Chemical Properties**

Sub-Category of Reference Material	ILAC RM Category	Class or Type of Reference Materials Produced (Include Range Where Applicable)	Methods or Techniques Used in the RMP Laboratory (if Appropriate)
Reference Materials and Certified Reference Materials	B8.1 Reference Cultures	Quantitative/Qualitative Microbiological Standards	MPN Plate Count
Reference Materials and Certified Reference Materials	B10	Quantitative/Qualitative Microbiological Standards	MPN Plate Count



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**Biological and Chemical Properties**

<b>Sub-Category of Reference Material</b>	<b>ILAC RM Category</b>	<b>Class or Type of Reference Materials Produced (Include Range Where Applicable)</b>	<b>Methods or Techniques Used in the RMP Laboratory (if Appropriate)</b>
	Other Biological and Clinical Reference Materials		

**Note:**

1. Please contact the RMP organization for more information on CRM uncertainty values, UCRM values, and other specific lot values. Some of this information may also be available on the RMP's website.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AR-1571.



R. Douglas Leonard Jr., VP, PIR, SBU