



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that  
**NSI Lab Solutions, Inc.**  
**7212 ACC Blvd.**  
**Raleigh, NC 27617**

has been assessed by ANAB  
and meets the requirements of international standard

### ISO 17034:2016

while demonstrating technical competence in the field of

## Reference Material Producer

Refer to the accompanying Scope of Accreditation for information regarding the types of materials to which this accreditation applies.

AR-1571

Certificate Number



ANAB Approval

Certificate Valid: 10/08/2018-10/08/2020  
Version No. 008 Issued: 10/08/2018



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 an RMP quality management system.



## SCOPE OF ACCREDITATION TO ISO 17034:2016

### NSI Lab Solutions, Inc.

7212 ACC Blvd, Raleigh, NC 27617

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### REFERENCE MATERIAL PRODUCER

Valid to: **October 8, 2020**

Certificate Number: **AR-1571**

#### Chemical Composition

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)
High-purity metals	A1.6	<ul style="list-style-type: none"><li>Metals</li></ul>	<ul style="list-style-type: none"><li>ICP</li><li>ICP/MS</li></ul>
Pure chemicals	A2.6	<ul style="list-style-type: none"><li>Minerals</li><li>Silica</li></ul>	<ul style="list-style-type: none"><li>IC</li><li>ICP</li><li>ICP/MS</li><li>Titration</li><li>Spectroscopy</li></ul>
Pure organic compounds	A3.1	<ul style="list-style-type: none"><li>PCBs, Toxaphene, &amp; Chlordane</li><li>Pesticides – OC, ON, &amp; OP</li><li>Carbamate Pesticides</li><li>Volatile Organic Compounds (VOCs)</li><li>Semivolatiles (SVOCs)</li><li>Petroleum Hydrocarbons (TPH/DRO/GRO)</li><li>Polynuclear Aromatic Hydrocarbons</li><li>Herbicides</li><li>Phenolics</li></ul>	<ul style="list-style-type: none"><li>GC-FID</li><li>GC-ECD</li><li>GC-MS</li><li>HPLC</li><li>Spectrometer</li><li>Gravimetry</li></ul>
Fertilizers	A3.2		
Petroleum products	A3.5		

**Chemical Composition**

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		<ul style="list-style-type: none"> <li>▪ Paraquat/Diquat/Glyphosate/Endothall</li> <li>▪ Haloacetic Acids</li> <li>▪ Nitroaromatics &amp; Nitramines</li> <li>▪ Total Organic Halides (TOX)</li> <li>▪ Sugars / Carbohydrates</li> <li>▪ KHP</li> <li>▪ Sugar Alcohols</li> <li>▪ Organic Acids</li> <li>▪ Contaminants</li> <li>▪ Sweeteners/Additives</li> <li>▪ Organic &amp; Inorganic Disinfection By-Products</li> </ul>	
<p>BOD reference compounds</p> <p>Waters</p>	<p>A4.6</p> <p>A4.3</p>	<ul style="list-style-type: none"> <li>▪ Glucose/Glutamic Acid (BOD, COD, CBOD, TOC)</li> <li>▪ TOC / DOC</li> <li>▪ Turbidity</li> <li>▪ Solids (TDS, TSS, TS, TVS, Settleable)</li> <li>▪ Oil &amp; Grease</li> <li>▪ Surfactants - MBAs</li> <li>▪ Nutrients</li> <li>▪ Color</li> <li>▪ Residual/Free Chlorine</li> </ul>	<ul style="list-style-type: none"> <li>• Turbidimeter</li> <li>• Gravimetry</li> <li>• HPLC</li> </ul>
<p>Waters</p> <p>Ion selective electrode calibrants</p> <p>Conductivity standards</p>	<p>A4.3</p> <p>A9.2</p> <p>A9.3</p>	<ul style="list-style-type: none"> <li>▪ Anions / Cations</li> <li>▪ Acidity / Alkalinity</li> <li>▪ pH / Conductivity</li> <li>▪ Nitrite</li> <li>▪ Cyanide</li> <li>▪ Sulfide</li> <li>▪ Hardness</li> <li>▪ Corrosivity</li> <li>▪ Perchlorate</li> </ul>	<ul style="list-style-type: none"> <li>• IC</li> <li>• pH Probe</li> <li>• Conductivity Meter</li> <li>• Titration</li> <li>• ICP</li> <li>• ICP/MS</li> <li>• Spectrometer</li> </ul>



**Chemical Composition**

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Foodstuffs	A3.3	<ul style="list-style-type: none"><li>• Total Fat</li><li>• Salt</li></ul>	<ul style="list-style-type: none"><li>• Ankom</li><li>• Titration</li></ul>

**Biological and Clinical 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 cultures	B8.1	<ul style="list-style-type: none"><li>• Quantitative Microbiological Standards</li></ul>	<ul style="list-style-type: none"><li>• MPN</li><li>• Plate Count</li></ul>
Other biological and clinical reference materials	B10	<ul style="list-style-type: none"><li>• Quantitative Microbiological Standards</li></ul>	<ul style="list-style-type: none"><li>• MPN</li><li>• Plate Count</li></ul>

Notes:

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.



Vice President

