

## CERTIFICATE OF ACCREDITATION

## **ANSI-ASO 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

ANAB Approval

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





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

## **NSI Lab Solutions, Inc.**

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#### REFERENCE MATERIAL PRODUCER

Valid to: October 8, 2020 Certificate Number: AR-1571

#### **Chemical Composition**

Version 008

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	■ Metals	<ul><li>ICP</li><li>ICP/MS</li></ul>
Pure chemicals	A2.6	<ul><li>Minerals</li><li>Silica</li></ul>	<ul><li>IC</li><li>ICP</li><li>ICP/MS</li><li>Titration</li><li>Spectroscopy</li></ul>
Pure organic compounds  Fertilizers  Petroleum products	A3.1 A3.2 A3.5	<ul> <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>Hydrocarbons</li> <li>Herbicides</li> <li>Phenolics</li> </ul>	<ul> <li>GC-FID</li> <li>GC-ECD</li> <li>GC-MS</li> <li>HPLC</li> <li>Spectrometer</li> <li>Gravimetry</li> </ul>





### **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)
		<ul> <li>Paraquat/Diquat/Gly phosate/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>	
BOD reference compounds Waters	A4.6 A4.3	<ul> <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><li>Turbidimeter</li><li>Gravimetry</li><li>HPLC</li></ul>
Waters	A4.3	<ul> <li>Anions / Cations</li> <li>Acidity / Alkalinity</li> <li>pH / Conductivity</li> </ul>	<ul><li> IC</li><li> pH Probe</li></ul>
Ion selective electrode calibrants	A9.2	<ul><li>Nitrite</li><li>Cyanide</li><li>Sulfide</li></ul>	<ul><li>Conductivity Meter</li><li>Titration</li><li>ICP</li></ul>
Conductivity standards	A9.3	<ul><li>Hardness</li><li>Corrosivity</li><li>Perchlorate</li></ul>	<ul><li>ICP/MS</li><li>Spectrometer</li></ul>



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#### **Chemical Composition**

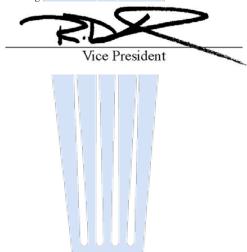
Sub-Category of Reference Material	ILAC RM Category	Class or Type of Reference Materials Produced (Include Range Where Applicable)	Methods or Techniques Used in the RMP Laboratory (if Appropriate)
Foodstuffs	A3.3	<ul><li>Total Fat</li><li>Salt</li></ul>	<ul><li>Ankom</li><li>Titration</li></ul>

### **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> <li>Quantitative         Microbiological         Standards     </li> </ul>	MPN     Plate Count
Other biological and clinical reference materials	B10	• Quantitative Microbiological Standards	MPN     Plate Count

#### 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.





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