



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

ADVANCED ANALYTICAL SOLUTIONS, LLC
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PROFICIENCY TESTING PROVIDER

Valid To: July 31, 2024

Certificate Number: 2952.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this proficiency testing provider for the design, preparation, and operation of PT schemes that meet the requirements of ISO/IEC 17043 and TNI Volume 3: General Requirements for Environmental Proficiency Test Providers (EL-V3-2016):

<u>Parameter/Analyte¹</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>DMR-QA²</u>
<u>Trace Metals</u>			
Aluminum	√	√	√
Antimony	√	√	√
Arsenic	√	√	√
Barium	√	√	√
Beryllium	√	√	√
Boron	√	√	√
Cadmium	√	√	√
Calcium	√	√	√
Chromium (total)	√	√	√
Chromium (VI)	√	√	√
Cobalt	√	√	√
Copper	√	√	√
Iron	√	√	√
Lead	√	√	√
Magnesium	√	√	√
Manganese	√	√	√
Mercury	√	√	√
Molybdenum	√	√	√
Nickel	√	√	√
Potassium	√	√	√
Selenium	√	√	√
Silver	√	√	√
Sodium	√	√	√
Strontium	√	√	√

<u>Parameter/Analyte¹</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>DMR-QA²</u>
<u>Trace Metals (cont)</u>			
Thallium	√	√	√
Tin	√	√	√
Titanium	√	√	√
Vanadium	√	√	√
Zinc	√	√	√
<u>Nutrients</u>			
Ammonia (as N)	√	√	√
Nitrate (as N)	√	√	√
Nitrate-nitrite (as N)	√	√	√
Nitrite (as N)	√	√	√
Orthophosphate (as P)	√	√	√
Total Kjeldahl-nitrogen	√	√	√
Total phosphorus	√	√	√
<u>Demands</u>			
Biochemical oxygen demand		√	√
Carbonaceous BOD		√	√
Chemical oxygen demand		√	√
Total organic carbon	√	√	√
<u>Minerals</u>			
Alkalinity, total (CaCO ₃)	√	√	√
Calcium	√	√	√
Chloride	√	√	√
Fluoride	√	√	√
Calcium hardness (as CaCO ₃)	√	√	√
Hardness, total (CaCO ₃)	√	√	√
Magnesium	√	√	√
Potassium	√	√	√
Sodium	√	√	√
Specific conductance (25 °C)	√	√	√
Sulfate	√	√	√
Sulfide	√	√	√
Total dissolved solids at 180 °C	√	√	√
Total solids	√	√	√
<u>Microbiology</u>			
Fecal coliform, MF	√	√	√
Total coliform, MF	√	√	√
Fecal coliform, MPN	√	√	√

<u>Parameter/Analyte¹</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>DMR-QA²</u>
<u>Microbiology (cont)</u>			
Total coliform, MPN	√	√	√
Total coliform, (p/a)	√	√	
Fecal coliform/E. Coli, (p/a)	√	√	
E. Coli, MF	√	√	√
E. Coli, MPN	√	√	√
Enterococci, MF	√	√	
Enterococci, MPN	√	√	
Heterotrophic Plate Count	√	√	
Legionella pneumophila	√	√	
Pseudomonas aeruginosa	√	√	
<u>Miscellaneous Analytes</u>			
Acidity (as CaCO ₃)	√	√	√
Bromate	√	√	
Bromide	√	√	
Chlorate	√	√	
Chlorite	√	√	
Color	√	√	
Cyanide, total	√	√	√
Dissolved organic carbon	√		
HEM		√	
Langelier index	√		
Non-filterable residue	√	√	√
Oil and Grease		√	√
Perchlorate	√	√	
pH	√	√	√
Phenolics, total (4AAP)		√	√
Residual free chlorine	√		
Residual chlorine, total	√	√	√
Settleable Solids	√	√	√
SGT-HEM		√	
Silica (as SiO ₂)	√	√	√
Surfactants-MBAS	√	√	√
Total petroleum hydrocarbon		√	
Turbidity	√	√	√
UV 254	√		
Volatile solids		√	
Dissolved Oxygen		√	

¹Assigned values and associated uncertainties are determined by consensus of participants values, known values, certified reference values or reference values within made to target concentration ranges. These concentration ranges are consistent with the TNI FoPT tables where relevant.

² Denotes Non-TNI PT Scheme.





Accredited Proficiency Testing Provider

A2LA has accredited

ADVANCED ANALYTICAL SOLUTIONS, LLC

Parkersburg, WV

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 *Conformity assessment - General requirements for proficiency testing* and TNI EL-V3-2016. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 5th day of October 2023.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2952.01
Valid to July 31, 2024

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.