



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SANDERS LABORATORIES, INC.¹
 1050 Endeavor Court
 Nokomis, FL 34275
 Katie Strothman 941 234 1010
 email address: Katie@sanderslabs.net

ENVIRONMENTAL


Valid To: September 31, 2018

Certificate Number: 3544.02

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the 2009 NELAC Standard) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below on liquids, water, solids, and chemical materials.

<u>Parameter/ Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>
Alkalinity as CaCO ₃	SM 2320B	SM 2320B	-----
Ammonia as N	-----	EPA 350.1	-----
Biochemical Oxygen Demand (BOD)	-----	SM 5210B	-----
Calcium Hardness as CaCO ₃	EPA 215.2	EPA 215.2	-----
Carbonaceous BOD (CBOD)	-----	SM 5210B	-----
Chlorophylls	-----	SM 10200 H	-----
Chloride	SM45000CL-B	SM 4500Cl-B SM 4500Cl E	-----
Chromium VI	-----	SM 33500-Cr D/ UV-VIS	-----
Color	SM 2120B	SM 2120B	-----
Conductivity	SM 2510B	SM 2510B	-----
Enterococci	-----	EPA 1600	-----
<i>Escherichia coli</i>	SM 9223B SM9222G	-----	-----
<i>Escherichia coli</i> , Thermotolerant		EPA 1603	
Fecal Coliforms	-----	SM 9221E SM 9222D	SM 9221E

<u>Parameter/ Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>
Fluoride	SM 4500F-C	SM 4500F-C	-----
Hardness	SM 2340C	-----	-----
Legionella	Legioalert	-----	-----
Kjeldahl Nitrogen – Total	-----	EPA 351.2	EPA 351.2
Nitrate as N	EPA 353.2	EPA 353.2	-----
Nitrite as N	EPA 353.2	EPA 353.2	-----
Organic Nitrogen	-----	EPA 351.2 EPA 350.1	-----
Orthorophosphate as P	-----	SM 4500-P-E	-----
Odor	SM 2150B		-----
pH	SM 4500-H+B	SM 4500-H+B	EPA 9040 EPA9045
Phosphorous, total	-----	EPA 365.4	EPA 365.4
Residue-filterable (TDS)	-----	SM 2540C	-----
Residue-filterable (TSS)	-----	SM 2540D	-----
Residue-total	-----	SM 2540B	SM 2540G
Residue-volatile	-----	EPA 160.4	SM 2540G
Silica as SiO ₂	-----	SM 4500-SiO ₂ C	-----
Sulfate	ASTM D516-90	ASTM D516-90	-----
Total Coliforms	SM 9222B SM 9223B	SM 9222B	-----
Total Dissolved Solids	SM 2540C	-----	-----
Total Hardness as CaCO ₃	-----	SM 2340C	-----
Total Nitrate-Nitrite	EPA 353.2	EPA 353.2	EPA 353.2
Total Nitrogen	-----	-----	TKN + Total Nitrate-Nitrite
Total Organic Carbon	-----	SM 5310B	-----
Total, Fixed, and Volatile Residue	-----	SM 2540G	-----



<u>Parameter/ Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>
Un-ionized Ammonia	-----	DEP SOP v2.1	-----

¹ This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory listed below:

SANDERS LABORATORIES, INC.
10090 Bavaria Rd.
Fort Myers, FL 33913
Katie Strothman Phone: 941-915-7447
email address: Katie@sanderslabs.net

<u>Parameter/ Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>
Biochemical Oxygen Demand (BOD)	-----	SM 5210B	-----
Carbonaceous BOD (CBOD)	-----	SM 5210B	-----
Color	SM 2120B	SM 2120B	-----
Conductivity	SM 2510B	SM 2510B	-----
Enterococci	-----	Enterolert	-----
<i>Escherichia coli</i>	SM 9223B EC +MUG	-----	-----
Fecal Coliforms	-----	SM 9222D	SM 9221E
Nitrite	SM 4500-NO2-B	SM 4500-NO2-B	-----
Odor	SM 2150B	-----	-----
pH	SM 4500-H+B	SM 4500-H+B	-----
Residue-filterable (TDS)	-----	SM 2540C	-----
Residue-filterable (TSS)	-----	SM 2540D	-----
Total Coliforms	SM 9222B SM 9223B	SM 9222B	-----
Turbidity	EPA 180.1	EPA 180.1	-----



FIELD SAMPLING AND MEASUREMENT ORGANIZATION

In recognition of the successful completion of the A2LA evaluation process, including an evaluation of the organization's compliance with The NELAC Institute Field Sampling and Measurement Organization Volume 1 (TNI FSMO V1 2014 Rev 2.0), accreditation is granted to this organization to perform recognized methods using the following testing technologies and in the analyte categories identified below:

FSMO Type: Commercial, Consulting

Mobile Units: Vehicles driven to client site, kayaks, and boats.

Sampling:

Matrix	Technology	Procedure (Optional)
Non-Potable Water	peristaltic pumps, dip stick.	DEP SOP 2014
Ground Water	peristaltic pumps, submersible pumps.	DEP SOP 2014
Surface Water	Peristaltic pumps, , dip stick.	DEP SOP 2014
Drinking Water	N/A	DEP SOP 2014
Industrial Water	peristaltic pumps, dip stick.	DEP SOP 2014
Solid	Augers, core samplers, dredger, dip stick.	DEP SOP 2014

Measurement:

Technology: Multi-Meters, pH/Temperature Meter, Conductivity/DO Meters, Water Level Meter, Chlorine Meter, Secchi Disk, Turbidimeter, Spectrophotometer

Parameter/Analyte	Water
pH	EPA 150.1
Temperature	EPA 170.1
Dissolved Oxygen	EPA 360.1
Turbidity	EPA 180.1
Specific Conductance	EPA 120.1
Salinity	SM 2520B
Secchi Disk	DEP SOP 2014
Water Level (TOC & NGVD)	DEP SOP 2014
Total, Free, Residual Chlorine	EPA 330.5
Oxidation Reduction Potential	DEP SOP 2008





Accredited Laboratory

A2LA has accredited

SANDERS LABORATORIES, INC.

Nokomis, FL

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of *R206 - Specific Requirements - Environmental Testing Laboratory* and *R219 - Specific Requirements - TNI Field Sampling and Measurement Organization Accreditation Program*. 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 8 January 2009).



Presented this 3rd day of February 2017

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3544.02
Valid to September 30, 2018

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.