



SCOPE OF ACCREDITATION TO ISO 17034:2016

O2SI SMART SOLUTIONS, LLC  
(ORGANIC STANDARD SOLUTIONS INTERNATIONAL, LLC)  
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REFERENCE MATERIAL PRODUCER

Valid To: September 30, 2019

Certificate Number: 3031.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this Reference Material Producer for the production of single and multi-component certified reference materials and reference materials in the following categories<sup>5</sup>:

Category and sub-category of Certified Reference Material	Concentration Range mg/L	Relative Uncertainties <sup>1</sup>	Technologies
<b>Category A3.1: Chemical – Organic</b>			
Volatile Organic Compounds <sup>2</sup>	0.001 to 100 000 or Highest Soluble Concentration Neat Materials	Typically $\leq 5\%$ of actual concentrations but select products may reach $\leq 20\%$	GC/GCMS/HPLC /UV Vis/Wet Chemistry
<b>Category A3.1: Chemical – Organic</b>			
Semi-volatile Organic Compounds <sup>2</sup>	0.001 to 100 000 or Highest Soluble Concentration Neat Materials	Typically $\leq 5\%$ of actual concentrations but select products may reach $\leq 20\%$	GC/GCMS/ HPLC/UV Vis/ LCMS/ Wet Chemistry
Pesticides and PCB's <sup>3</sup>	0.001 to 100 000 or Highest Soluble Concentration Neat Materials	Typically $\leq 5\%$ of actual concentrations but select products may reach $\leq 20\%$	GC/GCMS/ HPLC/UV Vis/LCMS

Category and sub-category of Certified Reference Material	Concentration Range mg/L	Relative Uncertainties <sup>1</sup>	Technologies
Non-Volatile Organic Compounds <sup>2</sup>	0.001 to 100 000 or Highest Soluble Concentration Neat Materials	Typically $\leq 5\%$ of actual concentrations but select products may reach $\leq 20\%$	GC/GCMS/ HPLC/UV Vis/LCMS/ Enzymatic Analysis/Wet Chemistry

For specific compounds, please refer to the o2si website at [www.o2si.com](http://www.o2si.com).

For specific uncertainties, please refer to the certificates of analyses.

<sup>1</sup> An absolute uncertainty estimate may be determined by multiplying the stated Relative uncertainty by the reported certified reference material value on the certificate. The absolute uncertainty estimate will thus be represented in the units of the value provided on the certified reference material certificate.

<sup>2</sup> Single and multicomponent organic and aqueous homogeneous solutions and neat materials

<sup>3</sup> Single and multicomponent organic homogeneous solutions and neat materials

<sup>4</sup> Single and multicomponent aqueous and organometallic homogeneous solutions

<sup>5</sup> This reference material producer is approved to produce Certified Reference Materials (CRM) and Reference Materials for all items listed on the scope of accreditation.



## *Accredited Reference Material Producer*

A2LA has accredited

### **O2SI SMART SOLUTIONS (ORGANIC STANDARD SOLUTIONS INTERNATIONAL, LLC)**

*Charleston, SC*

This accreditation covers the specific materials listed on the agreed upon Scope of Accreditation.

This producer meets the requirements of ISO 17034:2016 *General Requirements for the Competence of Reference Material Producers*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.

Presented this 30<sup>th</sup> day of August 2017.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3031.02  
Valid to September 30, 2019  
Revised on August 26, 2019



*For reference materials to which this accreditation applies, please refer to the reference material producer's Scope of Accreditation.*