



SCOPE OF ACCREDITATION TO ISO 17034:2016

PHENOVA, INC.  
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REFERENCE MATERIAL PRODUCER

Valid To: January 31, 2023

Certificate Number: 2427.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this Reference Material Producer for the production of certified reference materials and reference materials of the following categories:

<b>Certified Reference Materials and Reference Materials<sup>1</sup>/ Artifact or Matrix</b>	<b>Concentration Ranges</b>	<b>Test, Analysis, Measurement, Methods</b>	<b>Measurement Technique(s)</b>
Organic Compounds – Single and Multi-Component Homogeneous Solutions in Organic or Aqueous Solvents	Volatile Organic Compounds <u>Concentration Range:</u> (0.001 to 100 000) mg/L	In-house methods and procedures	GC/MS GC/ECD GC/FID HPLC
	Semi-volatile Organic Compounds <u>Concentration Range:</u> (0.001 to 100 000) mg/L	In-house methods and procedures	GC/MS GC/ECD GC/FID HPLC
	Pesticides and PCBs Compounds <u>Concentration Range:</u> (0.001 to 100 000) mg/L	In-house methods and procedures	GC/MS GC/ECD GC/FID HPLC

<b>Certified Reference Materials and Reference Materials<sup>1</sup>/ Artifact or Matrix</b>	<b>Concentration Ranges</b>	<b>Test, Analysis, Measurement, Methods</b>	<b>Measurement Technique(s)</b>
Organic Compounds – Single and Multi-Component Homogeneous Solutions in Organic or Aqueous Solvents	Miscellaneous Organic Compounds (e.g. glycols, fuels, etc.)  <u>Concentration Range:</u> (0.001 to 100 000) mg/L	In-house methods and procedures	GC/MS GC/ECD GC/FID HPLC
pH Standards	Range (1 to 14) pH	In-house methods and procedures	Potentiometry
Conductivity Standards	Range (130 to 1300) µmhos/cm	In-house methods and procedures	Electrochemical

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<sup>1</sup>This reference material producer is approved to produce Certified Reference Materials (CRM) for all items listed on the scope of accreditation.





# Accredited Reference Material Producer

A2LA has accredited

**PHENOVA, INC.**  
*Golden, CO*

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 2<sup>nd</sup> day of December 2020.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2427.02  
Valid January 31, 2023  
Revised December 20, 2022

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