



SCOPE OF ACCREDITATION TO ISO 17034:2016

RESTEK CORPORATION  
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Bellefonte, PA 16823  
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REFERENCE MATERIALS PRODUCER

Valid To: December 31, 2021

Certificate Number: 3222.01

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:

Category of Certified Reference Material	Concentration Ranges and Uncertainty	Measurement Technique(s)
<b>A3 Organic Reference Materials – A3.1 Pure Organic Compounds in Solvents</b>  Acetates Acrylates Alcohols Aldehydes Amides Amines Anilines Aroclors Aromatics (Volatiles) Carbamates Carbonyl-DNPH Derivatives Ethers Free Acid Herbicides Haloacetic Acids Haloethers Halogenated Alkanes Halogenated Alkenes Herbicide Methyl Esters High Boiling Point Fuels Ketones Low Boiling Point Fuels Methyl Esters n-Alkanes Nitriles Nitroaromatics	<b><u>Concentration Range:</u></b> 0.001 ng/mL to 100 000 µg/mL  <b><u>Certified Combined Stressed Uncertainty Range:</u></b> (1.8 to 26.2) %	GC/MS GC/µECD GC/FID Gravimetric LC/UV LC/MS Melting Point Refractive Index

Category of Certified Reference Material	Concentration Ranges and Uncertainty	Measurement Technique(s)
<p><b>A3 Organic Reference Materials – A3.1 Pure Organic Compounds in Solvents (cont)</b></p> <p>Organohalide Herbicides Organohalide Pesticides Organonitrogen Herbicides Organonitrogen Pesticides Organophosphorous Pesticides Oxides Phenols Phthalates Polyaromatic Hydrocarbons (PAHs) Polychlorinated Biphenyls (PCBs) Pyridines Substances of Abuse:     Cannabinoids     Barbiturates     Opiates/Morpholines     Benzodiazepines     Cocaine/Amphetamines Urons</p>	<p><b><u>Concentration Range:</u></b> 0.001 ng/mL to 100 000 µg/mL</p> <p><b><u>Certified Combined Stressed Uncertainty Range:</u></b> (1.8 to 26.2) %</p>	<p>GC/MS GC/µECD GC/FID Gravimetric LC/UV LC/MS Melting Point Refractive Index</p>

Category of Reference Material	Concentration Ranges and Uncertainty	Production Technique(s)
<p><b>A3 Organic Reference Materials – A3.1 Pure Organic Compounds in Solvents</b></p> <p>Acetates Acrylates Alcohols Aldehydes Amides Amines Anilines Aroclors Aromatics (Volatiles) Carbamates Carbonyl-DNPH Derivatives Ethers Fatty Acids Fatty Acid Methyl Esters Free Acid Herbicides Haloacetic Acids Haloethers Halogenated Alkanes Halogenated Alkenes</p>	<p><b><u>Concentration Range:</u></b> 0.001 pg/mL to 999 999 µg/mL</p> <p><b><u>Gravimetric Uncertainty Range:</u></b> (0.6 to 3.1) %</p>	<p>Gravimetric or Volumetric</p>



Category of Reference Material	Concentration Ranges and Uncertainty	Production Technique(s)
<p><b>A3 Organic Reference Materials – A3.1 Pure Organic Compounds in Solvents (cont)</b></p> <p>Herbicide Methyl Esters High Boiling Point Fuels Ketones Low Boiling Point Fuels Methyl Esters n-Alkanes Nitriles Nitroaromatics Organohalide Herbicides Organohalide Pesticides Organonitrogen Herbicides Organonitrogen Pesticides Organophosphorous Pesticides Organotins Oxides Phenols Phthalates Polyaromatic Hydrocarbons (PAHs) Polychlorinated Biphenyls (PCBs) Pyridines Substances of Abuse:     Cannabinoids     Barbiturates     Opiates/Morpholines     Benzodiazepines     Cocaine/Amphetamines Urons</p>	<p><b><u>Concentration Range:</u></b> 0.001 pg/mL to 999 999 µg/mL</p> <p><b><u>Gravimetric Uncertainty Range:</u></b> (0.6 to 3.1) %</p>	<p>Gravimetric or Volumetric</p>





## Accredited Reference Material Producer

A2LA has accredited

**RESTEK CORPORATION**

*Bellefonte, PA*

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 6<sup>th</sup> day of May 2020.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3222.01  
Valid to December 31, 2021



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