



SCOPE OF ACCREDITATION TO ISO 17034:2016

CANNON INSTRUMENT COMPANY
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State College, PA 16803-1733
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REFERENCE MATERIALS PRODUCER

Valid To: May 31, 2021

Certificate Number: 1262.02

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 of the following categories:

Category and Sub-Category of Certified Reference Material	Concentration Ranges	Associated Uncertainty ¹	Test, Analysis, Measurement, Methods	Measurement Technique(s)
Kinematic and Dynamic Viscosity Oil Standards –	< 15 °C	< 10 mm ² /s	ASTM D445, D446, D2162; ISO 3104, 3105	Glass Capillary Viscometry
		(10 to 100) mm ² /s		
		(100 to 1000) mm ² /s		
		(1000 to 10 000) mm ² /s		
		(10 000 to 150 000) mm ² /s		
	15 °C to 45 °C	< 10 mm ² /s		
		(10 to 100) mm ² /s		
		(100 to 1000) mm ² /s		
		(1000 to 10 000) mm ² /s		
(10 000 to 150 000) mm ² /s				
> 45 °C	< 10 mm ² /s			
	(10 to 100) mm ² /s			
	(100 to 1000) mm ² /s			
	(1000 to 10 000) mm ² /s			
	(10 000 to 150 000) mm ² /s			

Category and Sub-Category of Certified Reference Material	Concentration Ranges	Associated Uncertainty¹	Test, Analysis, Measurement, Methods	Measurement Technique(s)
Dynamic Viscosity Oil Standards	(36 to 3600) mPa·s (3600 to 36 000) mPa·s (36 000 to 120 000) mPa·s (120 000 to 360 000) mPa·s (360 000 to 8 000 000) mPa·s	0.84 % 1.1 % 1.1 % 1.6 % 1.8 %	ASTM D2171	Glass Capillary Viscometry

Category and Sub-Category of Reference Material	Range	Test, Analysis, Measurement, Methods	Measurement Technique(s)
Flash Point Reference Materials	(45 to 80) °C	ASTM D56	Tag closed cup flash point
	(110 to 300) °C	ASTM D92	Cleveland open cup flash point
	(45 to 230) °C	ASTM D93 Procedure A	Pensky Marten closed cup flash point

¹ In the statement of associated uncertainty, percentage is the percent of reading.



Accredited Reference Material Producer

A2LA has accredited

CANNON INSTRUMENT COMPANY

State College, 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 24th day of July 2019.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1262.02
Valid to May 31, 2021



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