SCOPE OF ACCREDITATION TO ISO 17034:2016

BRAMMER STANDARD COMPANY, INC.
14603 Benfer Road
Houston, TX 77069
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REFERENCE MATERIAL PRODUCER

Valid To: January 31, 2025 Certificate Number: 0656.02

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

Certified Reference Material/ Matrix or Artifact	Concentration Ranges/ Properties Characterized	Measurement Technique
Ferrous Metals: (Solids, Chips, & Pins) Steels Carbon Steels Low alloy Steels High alloy Steels Cast Steels Specialty Steels Irons White Irons Cast Irons Ductile Irons Gray Iron Nodular Iron	Elemental Composition: Al to Zr (0.000001 to 100.00000) %	Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy.
Nonferrous Metals: (Solids & Chips) Aluminum Alloys Copper Base Alloys Cobalt Base Alloys Nickel Base Alloys Titanium Base Alloys Zinc Base Alloys Lead Base	Elemental Composition: Al to Zr (0.000001 to 100.00000) %	

Certified Reference Material/ Matrix or Artifact	Concentration Ranges/ Properties Characterized	Measurement Technique
Special Alloys: (Solids, Chips, & Powders)	Elemental Composition: Al to Zr (0.000001 to 100.00000) %	Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
Ores and Minerals: Iron Ore Iron Ore Sinter Metal Producing Materials & Byproducts: Ferroalloys Silico-calcium Slag	Elemental Composition: Al to Zr (0.000001 to 100.00000) % Elemental Composition: Al to Zr (0.000001 to 100.00000) %	Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
Tensile Strength: (Metals Both Ferrous & Nonferrous)	Yield Strength: 0 to Scale Max Ultimate Strength: 0 to Scale Max Reduction in Area: 0 to Scale Max Elongation: 0 to Scale Max	Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
Hardness: (Metals Both Ferrous & Nonferrous)	Rockwell: 0 to Scale Max Brinell: 0 to Scale Max Vickers: 0 to Scale Max	Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy

Accredited Reference Material Producer

A2LA has accredited

BRAMMER STANDARD COMPANY, INC.

Houston, TX

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 30th day of March 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0656.02
Valid to January 31, 2025

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