



SCOPE OF ACCREDITATION TO ISO 17034:2016

LABORATORY QUALITY SERVICES INTERNATIONAL (LQSi)
SGS Natural Resources Division
16130 Van Drunen Road
South Holland, IL 60473
Sarah Reidy Phone: 708 225 9121

REFERENCE MATERIAL PRODUCER

Valid To: February 29, 2024

Certificate Number: 3251.02

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

Certified Reference Material and Reference Material	Matrix or Artifact	Properties Characterized	Approach Used to Assign Property Values
Ores and Minerals	Inorganic Reference Materials	Powders Mineral content and Multi-Element Analysis (Aluminum-Zirconium)	Measurements are carried out by a competent laboratories using a variety of validated analytical methods as applicable to the analytes of concern and corresponding matrix, and of demonstrable accuracy.

Certified Reference Material and Reference Material	Matrix or Artifact	Properties Characterized	Approach Used to Assign Property Values
Coal and Coke	Solid Fuels	Powders <ul style="list-style-type: none"> • Coal • Metallurgical Coke • Petroleum Coke Ash, BTU, MAFBTU, Vol. Matter, Fixed Carbon, Forms of Sulfur, Ash deformation, Mineral content, Multi-Elemental Analysis (Aluminum-Zirconium)	Measurements are carried out by competent laboratories using a variety of validated analytical methods as applicable to the analytes of concern and corresponding matrix, and of demonstrable accuracy.



Accredited Reference Material Producer

A2LA has accredited

LABORATORY QUALITY SERVICES INTERNATIONAL (LQSi) SGS NATURAL RESOURCES DIVISION

South Holland, IL

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 15th day of December 2021.

A handwritten signature in blue ink, appearing to be 'A. M.', is written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3251.02
Valid to February 29, 2024



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