

## Accreditations

### ISO Guide 34:2009

Arconic Spectrochemical Reference Materials holds an accreditation to ISO Guide 34: 2009 international standard for “General Requirements for the Competence of Reference Material Producers”. ISO Guide 34 Accreditation is the highest level of quality attainable by reference materials producers. It ensures that the production and certification of Arconic CRMs and RMs is performed in accordance with a rigorous set of internationally recognized requirements. ISO Guide 34 covers the process for making Certified Reference Materials from initial customer inquiry through the manufacturing, testing, certification and distribution of the aluminum spectrochemical reference materials to our customers. Certificates of analysis for all CRMs certified after October 8, 2015 will include the ANAB Guide 34 accreditation logo.

#### Scope

Arconic Spectrochemical Reference Materials holds certificate number [AR-1993](#) and operates a Quality Management System which complies with ISO Guide 34: 2009 for the manufacturing and certification of both Certified Reference Materials and Reference Materials (Aluminum Alloy Chemical Standards and High Purity Aluminum Chemical Standards)



Certificate Number: AR-1993

### ISO/IEC 17025:2005

The testing methods used during the certification process have been accredited by the American Association of Laboratory Accreditation (A2LA) to the ISO 17025:2005 international standard for ‘General Requirements for the Competence of Testing and Calibration Laboratories’. The accreditation also meets the requirements for the International Laboratory Accreditation Cooperation (ILAC) for ISO 17025:2005. Certificates of analysis for CRMs certified after August 2010 include the A2LA and ILAC logos. Our testing certificate number is [1019.01](#)

#### Scope

Arconic Technology Center Materials Testing holds certificate number 1019.01. Spectrochemical reference material analysis by Spark-AES by ASTM Test Method E1251 and E716 is performed by Arconic Spectrochemical Reference Materials. Spectrochemical reference material analysis by inductively coupled plasma (ICP-AES) by ASTM Test Method E3061 is performed by Arconic Spectrochemical Reference Materials.



Testing Certificate Number: 1019.01  
17025:2005 Chemical Testing

### ISO 9001:2008

The scope of this ISO 9001:2008 quality system at the Arconic Technology Center (ATC) includes administrative activities as well as the production and certification of Spectrochemical Reference Materials. The operations process begins in the casting department where ingots of various aluminum alloys are cast. Then the process moves to the machine shop where the ingots are scalped, cut into sections, faced, and stenciled. After the sections are machined, they are then certified using Spark-Atomic Emission Spectrometry (SPARK-AES), Inductively Coupled Plasma (ICP-AES) analysis and Glow Discharge Mass Spectrometry (GD-MS).

The quality system is designed with controls that assure that product quality meets or exceeds the requirements and expectations of our customers. It provides for the prevention of nonconforming product, early detection of discrepancies and corrective action to assure consistent delivery of quality product.

#### Scope

Arconic Spectrochemical Reference Materials holds certificate number [US009740-1](#) and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope: Manufacture and Supply of Reference Materials.



Certificate Number: US009740-1  
ISO 9001:2008