



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Rocky Mountain Reference Material, LLC**  
**521 Violet St.**  
**Golden, CO 80401-6714**

Fulfills the requirements of

**ISO 17034:2016**

In the field of

**REFERENCE MATERIAL PRODUCER**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R.D.L.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 28 November 2021

Certificate Number: AR-2528



This reference material producer is accredited in accordance with the recognized International Standard ISO 17034:2016.  
This accreditation demonstrates technical competence for a defined scope and the operation of a reference material producer quality management system.

## SCOPE OF ACCREDITATION TO ISO 17034:2016

### Rocky Mountain Reference Materials, LLC

521 Violet St.  
Golden, CO 80401-6714  
Daniel Geist 720-943-7676  
[daniel@rmmrs.com](mailto:daniel@rmmrs.com)

### REFERENCE MATERIAL PRODUCER

Valid to: **November 28, 2021**

Certificate Number: **AR-2528**

#### Chemical

Sub-Category of Reference Material	ILAC RM Category	Class or Type of Reference Materials Produced (Include Range Where Applicable)	Methods or Techniques Used in the RMP Laboratory (if Appropriate)
CP Iron & Iron alloys (Including Cast Irons) Carbon Steels (including Rephosphorized & Resulfurized Steels) Low Alloy Steels (Including Tool Steel Alloys) High Alloy Steels (Including Stainless & High Temperature Steels)	A1.1	Certified Reference Materials for Elemental Chemistry  % Level Periodic Elements (1-85) Uncertainty: (0.5 to 10) %  < % Level Periodic Elements (1-85) Uncertainty: (1 to 20) %	Measurements carried out using a variety of analytical methods including but not limited to:  WD-XRF, ED-XRF, AS-AES, DCA-AES, HC-AES, GD-AES, GD-MS, DCP-AES, ICP-AES, ICP-MS, AA, GF-AA, Inert Gas Fusion and Combustion Techniques, Classical Wet Chemistry, etc.  As applicable by the elemental concentration of concern and its corresponding matrix, and of demonstrable accuracy.
CP Aluminum & Aluminum alloys CP Zinc & Zinc alloys CP Magnesium & Magnesium alloys CP Copper & Copper alloys (Including Brass & Bronze Alloys) CP Nickel & Nickel alloys CP Cobalt & Cobalt alloys	A1.2		
CP Titanium & Titanium alloys CP Zirconium & Zirconium alloys	A1.4		



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Notes:

1. Please contact the RMP organization for more information on CRM uncertainty values, U<sub>CRM</sub> values, and other specific lot values. Some of this information may also be available on the RMP's website.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AR-2528.

R. Douglas Leonard Jr., VP, PILR SBU