



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

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

has been assessed by ANAB  
and meets the requirements of international standard

**ISO 17034:2016**

while demonstrating technical competence in the field of

**Reference Material Producer**

Refer to the accompanying Scope of Accreditation for information regarding the types of materials to which this accreditation applies.

AR-2528

Certificate Number

  
ANAB Approval

Certificate Valid: 01/03/2019-11/28/2019

Version No. 003 Issued: 01/03/2019





**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@rmrms.com](mailto:daniel@rmrms.com)

**REFERENCE MATERIAL PRODUCER**

Valid to: November 28, 2019

Certificate Number: AR-2528

**Metals**

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 & Resulturized 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) %	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	< % Level Periodic Elements (1-85)  Uncertainty: (1 to 20) %	
CP Titanium & Titanium alloys CP Zirconium & Zirconium alloys	A1.4		





<p>CP Iron &amp; Iron alloys (Including Cast Irons) Carbon Steels (including Rephosphorized &amp; Resulfurized Steels) Low Alloy Steels (Including Tool Steel Alloys) High Alloy Steels (Including Stainless &amp; High Temperature Steels)</p>	<p>A1.1</p>	<p>Reference Materials for Elemental Chemistry (0.0001 to 99.9) % Periodic Elements (1-85)</p>	<p>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.</p>
<p>CP Aluminum &amp; Aluminum alloys CP Zinc &amp; Zinc alloys CP Magnesium &amp; Magnesium alloys CP Copper &amp; Copper alloys (Including Brass &amp; Bronze Alloys) CP Nickel &amp; Nickel alloys CP Cobalt &amp; Cobalt alloys</p>	<p>A1.2</p>		
<p>CP Titanium &amp; Titanium alloys CP Zirconium &amp; Zirconium alloys</p>	<p>A1.4</p>		

Notes:

1. Please contact the RMP organization for more information on CRM uncertainty values, Ucrm 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.

  
Vice President

