



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

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 Through: 11/28/2021
Version No. 004 Issued: 10/15/2019



SCOPE OF ACCREDITATION TO ISO 17034:2016

Rocky Mountain Reference Materials, LLC

521 Violet St.
 Golden, CO 80401-6714
 Daniel Geist 720- 943-7676
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REFERENCE MATERIAL PRODUCER

Valid to: **November 28, 2021**

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 & 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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<p>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)</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>
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<p>CP Titanium & Titanium alloys CP Zirconium & 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

