



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

ATI Specialty Materials Monroe Operations
2020 Ashcraft Ave.
Monroe, NC 28110

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

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

TESTING

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

AT-1776

Certificate Number


ANAB Approval

Certificate Valid Through: 04/22/2021
Version No. 003 Issued: 03/01/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



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SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ATI Specialty Materials Monroe Operations

2020 Ashcraft Ave.

Monroe, NC 28110

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TESTING

Valid to: April 22, 2021

Certificate Number: AT-1776

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Nitrogen Analysis (0.0002 to 0.02)%	Combustion ASTM E1019, ASTM E1409	Ni, Co, Ti, Steel Alloys	LECO TC600, ON836, TC436
Oxygen Analysis (0.0005 to 0.50)%	Combustion ASTM E1019, ASTM E1409	Ni, Co, Ti, Steel Alloys	LECO TC600, ON836, TC436
Carbon Analysis (0.001 to 0.50)%	Combustion ASTM E1019, ASTM E1941	Ni, Co, Ti, Steel Alloys	LECO CS600, CS844, C600
Sulfur Analysis (0.0003 to 0.0200)%	Combustion ASTM E1019,	Ni, Co, Ti, Steel Alloys	LECO CS600, CS844
Hydrogen Analysis (0.0001 to 0.025)%	Inert Gas Fusion ASTM E1447	Ni, Co, Ti, Steel Alloys	LECO RH600, RH404
Various Elements (0.001 to 99)%	XRF ASTM E322, E539, E572, E2465, E1085	Ni, Co, Ti, Steel Alloys	Magix Fast, PW2600, Axios Fast
Various Elements (1 to 200) mg/kg	Spark-OES ASTM E415, E1086, E3047	Ni, Co, Ti, Steel Alloys	ARL4460, Baird One Spark
Various Elements (1 to 500) mg/kg	ICP-OES ASTM E2371, E2594	Ni, Co, Ti, Steel Alloys	Perkin Elmer 2000DV (2 units)
Various Elements (1 to 100) mg/kg	ICP-MS ASTM E2823	Ni, Co, Ti, Steel Alloys	Perkin Elmer DRCII
Various Elements (1 to 300) mg/kg	AA, Graphite Furnace ASTM E1834	Ni, Co, Ti, Steel Alloys	Perkin Elmer AA800, AA900

Mechanical - Metallurgical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sample Prep	ASTM E3, ASTM E407	Metals	Nikon 150 25X -1000X
Grain size/Inclusions/Nickel and Titanium Microstructure	ASTM E112, ASTM E45 / Customer Specifications	Metals	Nikon 150 25X -1000X



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Mechanical - Metallurgical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Macrostructure	ASTM E340, E381, A604 AMS 2643, AMS 2642	Metals	
Differential Thermal Analysis	MET 088	Metals	TA Instruments
Thermal Expansion	ASTM E228	Metals	Netzsch
Rockwell / Brinell	ASTM E18 / ASTM E10	Metals	Wilson Rockwell/ Tinius Olsen Brinell
Stress Rupture	ASTM E139, E292	Metals	Satec
Charpy	ASTM E23	Metals	Tinius Olsen
Tensile – Room and Elevated Temperature	ASTM E8 / ASTM E21 / EN2002-1 / ISO 6892	Metals	Tinius Olsen

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1776.

R. D. P.

Vice President

