



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ATI FLAT ROLLED PRODUCTS
1300 Pacific Avenue
Natrona Heights, PA 15065-1147
Shawn Cooper Phone: 724-226-6498
shawn.cooper@atimetals.com

MECHANICAL

Valid To: January 31, 2023

Certificate Number: 3109.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on armor, stainless steel, nickel-base, cobalt-base and titanium sheet, strip and plate products:

<u>Test:</u>	<u>Test Method(s)¹:</u>
Bending	ASTM E290; ISO 7438
Hardness	
Brinell Hardness (3000 kg)	ASTM E10
Rockwell Hardness (B, C, 15N, 15T, 30N, 30T)	ASTM E18
Metallographic Evaluation	
Grain Size	ASTM E112 (Comparison Method only)
Inclusions	ASTM E45 Method A; ISO 4967
Intergranular Attack	IGA/M22
Macro-etch	ASTM E340
Microhardness	ASTM E92, E384
Knoop: 200 g, 500 g	
Vickers: 200 g to 10 kg	
Corrosion Testing	
Pitting and Crevice Corrosion	ASTM A923 Practices A and C, A1084, G48
Salt Spray	ASTM B117
Susceptibility to Stress Corrosion Cracking	ASTM G30

Test:

Test Method(s)¹:

Corrosion Testing (continued) Susceptibility to Intergranular Corrosion	ASTM G28
Susceptibility to Intergranular Attack	ASTM A262 Practices A, B, C, and E; ISO 3651-1, ISO 3651-2; SEP 1877
Stress Rupture	ASTM E139
Tensile Test	ASTM E8/E8M; EN-ISO 6892-1
Lab Heat Treatment	AMS 2750
Surface Roughness	ASME B46.1 Section 3; ISO 4287
Cup Test	ASTM E643; EN-ISO 20482
Alpha Case	Int. Procedure: "Alpha Case"; EN 2003-9

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.





Accredited Laboratory

A2LA has accredited

ATI FLAT ROLLED PRODUCTS

Natrona Heights, PA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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).



Presented this 15th day of December 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3109.01
Valid to January 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ATI FLAT ROLLED PRODUCTS ¹
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Natrona Heights, PA 15065-1147
Shawn Cooper Phone: 724-226-6498
Shawn.cooper@atimetals.com

CHEMICAL

Valid To: January 31, 2023

Certificate Number: 3109.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to the laboratory above, as well as the laboratories below to perform the following tests on armor, stainless steel, nickel-base, cobalt-base and titanium sheet, strip and plate products:

<u>Test:</u>	<u>Test Method(s)²:</u>
Spectroscopy Inductively Coupled Plasma (ICP) (Al, B, Cr, Cu, Fe, Mn, Mo, Ni, Si, Sn, V, Y, Zr)	ASTM E1479
Graphite Furnace Atomic Absorption (GFAA) (Ag, Bi, Cd, Pb, Se, Sn, Te, Tl)	ASTM E1184
Optical Emission Spectroscopy (OES) (Al, B, Sn, Ta, Ti)	ASTM E1086, E3047
X-Ray Fluorescence (XRF) Stainless Steels: (Al, Co, Cr, Cu, Mn, Mo, Nb, Ni, P, Si, Sn, Ta, Ti, V, W, Zr)	ASTM E572
Nickel Alloys: (Al, Co, Cr, Cu, Fe, Mn, Mo, Nb, Ni, P, Si, Sn, Ta, Ti, V, W, Zr)	ASTM E2465
Cobalt Alloys: (Al, Co, Cr, Cu, Fe, Mn, Mo, Nb, Ni, P, Si, Sn, Ta, Ti, V, W, Zr)	ASTM E2465
Elemental Analysis Combustion Elemental Analysis Carbon and Sulfur by Infrared Nitrogen, Oxygen, and Hydrogen by Inert Fusion- LECO (C, H, N, O, S)	ASTM E1019, E1447

¹This accreditation covers testing performed at the main laboratory listed above, and the satellite laboratories listed below.

ATI FLAT ROLLED PRODUCTS
Route 981 North
Latrobe, PA 15650

<u>Test:</u>	<u>Test Method(s)²:</u>
Spectroscopy Optical Emission Spectroscopy (OES) (Al, B, Sn)	ASTM E1086, E3047
X-Ray Fluorescence (XRF) Stainless Steels: (Al, Co, Cr, Cu, Mn, Mo, Nb, Ni, P, Si, Ti, V, W)	ASTM E572
Nickel Alloys: (Al, Co, Cr, Cu, Fe, Mn, Mo, Nb, Ni, P, Si, Ti, V, W)	ASTM E2465
Elemental Analysis Combustion Elemental Analysis Carbon and Sulfur by Infrared Nitrogen by Inert Fusion- LECO (C, N, O, S)	ASTM E1019

ATI FLAT ROLLED PRODUCTS
100 River Road
Brackenridge, PA 15014

<u>Test:</u>	<u>Test Method(s)²:</u>
Spectroscopy Optical Emission Spectroscopy (OES) (Al, B, Sn)	ASTM E1086, E3047
X-Ray Fluorescence (XRF) Stainless Steels: (Al, Co, Cr, Cu, Mn, Mo, Nb, Ni, P, Si, Sn, Ti, V, W)	ASTM E572
Nickel Alloys: (Al, Co, Cr, Cu, Fe, Mn, Mo, Nb, Ni, P, Si, Sn, Ti, V, W)	ASTM E2465
Elemental Analysis Combustion Elemental Analysis Carbon and Sulfur by Infrared Nitrogen and Oxygen by Inert Fusion- LECO (C, N, O, S)	ASTM E1019

² When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories.*





Accredited Laboratory

A2LA has accredited

ATI FLAT ROLLED PRODUCTS

Natrona Heights, PA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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).



Presented this 15th day of December 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3109.02
Valid to January 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ATI FLAT ROLLED PRODUCTS
1357 East Rodney French Blvd.
New Bedford, MA 02742
David Shaner Phone: 508 984 2256
Fax: 508 984 8904

MECHANICAL

Valid To: January 31, 2023

Certificate Number: 3109.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on stainless steels, Titanium, Cobalt, Zirconium, Carbon steels, and Nickel alloys:

<u>Test:</u>	<u>Test Method(s)¹:</u>
Bending	ASTM E290
Metallographic Evaluation	
Grain Size	ASTM E112 (Comparison Method only)
Susceptibility to Intergranular Attack	ASTM A262 Practice E; ISO 3651-2 Method A
Corrosion Testing	
Crevice Corrosion	ASTM G48
Microhardness	
Vickers (100 gf, 300 gf, 500 gf, 1000 gf)	ASTM E384, E92
Surface Roughness	ASME B46.1 Section 3; LP-04; ISO 4287
Tensile Test (5000 lbs Flat Specimens)	ASTM E8/E8M; ISO 6892-1
Lab Heat Treatment	AMS 2750

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

A handwritten signature in blue ink, consisting of a stylized, cursive 'A' followed by a horizontal line.



Accredited Laboratory

A2LA has accredited

ATI FLAT ROLLED PRODUCTS

New Bedford, MA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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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For the Accreditation Council
Certificate Number 3109.03
Valid to January 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.