

CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Outokumpu Stainless USA, LLC One Steel Drive Calvert, AL 36513

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

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.

Jason Stine, Vice President

Expiry Date: 15 June 2025 Certificate Number: AT-2477





SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Outokumpu Stainless USA, LLC

One Steel Drive Calvert, AL 36513

Frank Snow <u>frank.snow@outokumpu.com</u> 251 829 3375

TESTING

Valid to: June 15, 2025 Certificate Number: AT-2477

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Susceptibility to Intergranular Corrosion	ASTM A262 Practice A and Practice E		Light Microscope
Grain Size	ASTM E112 Comparison Procedure		Light Microscope
Ductility/Bend	ASTM E290, ASTM A370		Hydraulic Press
Rockwell Hardness (HRB, HRC and HR30T)	ASTM E18, ASTM A370	Stainless Steels	Rockwell Hardness Tester
Tensile Strength: Reduction of Area	ASTM E8/E8M, ASTM A370		Point Micrometer and Tensile Tester
Tensile Strength: Ultimate Tensile, Yield Strength, Elongation	ASTM E8/E8M, ASTM A370		Tensile Tester
Inclusion Content Determination	ASTM E45 Method A		Light Microscope
Surface Roughness/ Finish (Ra)	ASTM A480/A480M, SOP-PTL-5000		Profilometer
Determining Volume Fraction by Systematic Manual Point Count	ASTM E562-19		Light Microscope
Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels	ASTM A923-14: Methods A & C		Light Microscope, pH Meter, Thermometer, Balance and Caliper.

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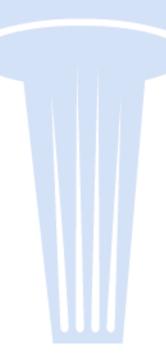
Chemical

Specific Tests and/or	Specification, Standard,	Ite <mark>ms,</mark> Materials or	Key Equipment or
Properties Measured	Method, or Test Technique	Prod uct Tested	Technology
Chemical Composition: Cr, Ni, Mo, Mn, Si, Cu, P, V, Ti	ASTM E572, ASTM A751		X-Ray Fluorescence Spectrometers
Chemical Composition:	ASTM E1086,	Stainless Steels	Spark Optical Emission
Cu, Si, P	ASTM A751		Spectrometer
Chemical Composition: C, S, O, N	ASTM E1019, ASTM A751		Combustion Gas Analyzers

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2477.

Jason Stine, Vice President



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