



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

Product Evaluation Systems, Inc.
637 Donohoe Rd
Latrobe, PA 15650

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

ISO/IEC 17025:2005

while demonstrating technical competence in the field of

TESTING

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

AT-1504
Certificate Number


ANAB Approval

Certificate Valid: 11/16/2018-12/27/2020
Version No. 004 Issued: 11/16/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Product Evaluation Systems, Inc.

637 Donohoe Rd, Latrobe, PA 15650

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TESTING

Valid to: December 27, 2020

Certificate Number: AT-1504

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Tensile	ASTM E8, A370, B557, D638, E111, E132, F606 and NASM 1312-8	Various Metals	Satec / Instron UTM
Elevated Tensile	ASTM E21	Various Metals	Instron UTM
Compression Testing	ASTM E9	Various Metals	Satec / Instron UTM
Hardness Testing	ASTM E10, E18, E92, A370, E384, NASM 1312-6	Various Metals	Hardness Tester
Impact Testing	ASTM E23	Various Metals	Impact Tester
Bend Testing	ASTM E290 and E190	Various Metals	Bend Fixture
Fracture Toughness Testing	ASTM E399, E647, E1820 and B645	Various Metals	Fracture Frames
Fatigue Testing	ASTM E466, E606 and E647	Various Metals	Fracture Frames
Creep / Stress Testing	ASTM E139 and E292	Various Metals	Creep/Stress Machine
Drop Weight Test	ASTM E208	Various Metals	Drop Weight Tester
Carbide Microstructure	ASTM B390, B276 and B657	Carbides	Olympus PME and PAX-it Software
Depth of Decarburization and Carburization	ASTM E2, E3, E384, E1077, F2328 and SAE J121	Various Metals	Olympus PME and PAX-it Software
Effective Case Depth	ASTM E384	Various Metals	Olympus PME and PAX-it Software
Metallography (inclusion rating)	ASTM E45, E562, E1245 and ISO 4967	Various Metals	Olympus PME and PAX-it Software

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Grain Size	ASTM E112, E1181, E930 and GE E50TF133	Various Metals	Olympus PME and PAX-it Software
IGO / Plating Thickness	ASTM B487	Various Metals	Olympus PME and PAX-it Software
Alpha Case	GE P3TF19, GE P3TF32 and PES M-033	Titanium	Olympus PME and PAX-it Software
Corrosion	ASTM A262, G28, G48, A923, SEP 1877 and DIN 50914	Various Metals	Various
Macroetching	ASTM E3, E340, A604 and E381	Various Metals	Various
Microetching / Identification of Microstructures	ASTM E3, E407 and ASM Metals Handbook, Vol. 9	Various Metals	Various
Microhardness	ASTM E384	Various Metals	Knoop and Vickers Hardness
Jominy	ASTM A255	Various Metals	Jominy Fixture
Heat Treating	AMS 2750	Various Metals	Cress Furnaces, L&L
Weld Qualification	ASME IX, AWS D1.1, 1.2, 1.3, 1.4, 1.5, 1.6, API 1104	Various Metals	Various

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Elements	ASTM E415, E1086 and E1251	Various Metals	OES
Elements	ASTM E1277 and E2371	Various Metals and Carbides	ICP
Nitrogen Oxygen	ASTM E1019 and E1409	Various Metals and Carbides	Combustion
Carbon Sulfur	ASTM E1019 and E1941	Various Metals and Carbides	Combustion
Hydrogen	ASTM E1447	Various Metals	Combustion
Density	ASTM B311	Various Metals and Carbides	Various
Coating Weight	ASTM A90, A428	Various Metals	Various

Non-Destructive Testing

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Liquid Penetrant	ASTM E1417	Various Metals	Visible dye and water washable fluorescent
Magnetic Particle	ASTM E1444 and AMS 2300	Various Metals	Yoke and Wet fluorescent

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1504.



Vice President

