



VALBRUNA

SLATER STAINLESS, INC.
 2400 TAYLOR STREET WEST
 FORT WAYNE IN 46802 USA
 PHONE 260 434 2800 - FAX 260 434 2801

Product Certification Report

Report Number: 5732270

Certified on Apr 01, 2020 Page 1 of 2

Order I.D. 0A20000493 0030	Order Date 3/29/20	Commodity Code 316D3.25RT
Dim 1 3.2500	Dim 2 .0000	Heat I.D. 280115
Customer I.D. 0008000061	Customer Purchase Order 66810	
Product Shape Round	Product Surface HR and Rough Turned	Customer Grade 316/316L
Length (Inches) 132.000 Min.	Bill of Lading # PL20001330/1	Weight 005226 LBS

Ship To
 VALBRUNA STAINLESS, INC
 1000 CANNONBALL ROAD
 POMPTON LAKES, NJ 07442

Sold To
 VALBRUNA STAINLESS INC.
 2400 TAYLOR STREET WEST
 FORT WAYNE, IN 46802

Lifts: 0037 0039

AMS 5648M	AMS 5653J	ASTM A484-19
Condition A	EN 10204 3.1	MIL-S-862B
QQ-S-763F	ASTM A262-15	ASTM A370-19e1
ASTM A182-19A Chem only	ASTM A479-19	ASME SA182-14 (2017) (Chem)
ASME SA320-13 B8M CL.1	ASME SA276 13 ED	SAE-AMS QQ-S-763D
ASTM A276-17	ASTM A314-19	ASTM A473-17A (Chem)
ASME SA479-15 ED (2019)	ASME SA484 10ed	ASTM A193-19 GR B8M CL.1

CHEMICAL ANALYSIS (Weight %)

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.017	1.52	.030	.025	.56	16.70	10.02	2.02	.55	.11	.07

BRINELL Type A device E10-18

HBW
163

ROOM TEMP TENSILE ASTM E8-16a

TS (PSI)	.2%YS (PSI)	%EL (4d)	%RA
83800	37900	57.9	78.9

GRAIN SIZE ASTM E112-13

GRAIN SIZE	Etchant	Magnification X
7	Oxalic	100

ASTM A262-15 PR E(A Utilized)

OXALIC	Structure	Etchant	Magnification X	SENS(F)	SENS(HR)
OK	Dual	Oxalic	500	1250	1.50

Free of mercury and low melting alloy contamination.
 Solution annealed at 1900F min. and water quenched (heating time & temp appropriate for optimum quality).
 No welding or weld repair done.
 Electric Furnace melted; AOD refined.
 Chemical testing to one or more of the listed ASTM methods:
 E1019-18, E1086-14.
 Location of tensile fracture: inside middle of gage length. %elong after fracture.
 Chemical Analysis performed at Acciaierie Valbruna, Italy.
 No mercury or low melting alloy contamination. No weld repair.
 Material melted in Italy, manufactured in the United States.
 Material conforms to listed specifications. DFARS compliant. Our heat treat furnaces use air atmosphere.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes. Including Federal law Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

email: AAsiala@valbruna.us

Annmarie C Asiala



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Quality system is compliant with ISO 9001:2015. Produced in accordance with EN 10204 3.1.

YARDE METALS, INC. CERTIFIES THAT
 THIS IS A TRUE COPY OF THE ORIGINAL
 MILL TEST REPORT NOW ON FILE.
 RECEIVED AND INSPECTED

MAY 21 2021

BY *Melissa Gagnier*
 Melissa Gagnier, Certification Processor

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Manager Laboratory Services

A. Asiala

email: AAsiala@valbruna.us

Annmarie C Asiala