

HT# 426595



**VALBRUNA**

SLATER STAINLESS, INC  
2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2800 - FAX 260.434.2801

Product Certification Report

Report Number: **5100790**

Certified on Jan 22, 2015 Page 1 of 2

Order I.D. 1500146 003		Order Date 1/21/15		Commodity Code 304D5.0	
Dim 1 5.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 426595	Customer I.D. 002471	Customer Purchase Order 43637
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 304/304L
Length (inches) 132.000 Min. 156.000 Max.		Bill of Lading # 424038	Weight		

Ship  
To

Sold  
To

**Lifts: 0011 0028**

MIL-S-862B	NACE MR0175/ISO 15156-3 2009	QQ-S-763F
UNS S30400 and S30403		ASTMA 182-14a Chem Only
ASTMA 193-12b	ASTMA 276-13a	ASTMA 479-14
ASTMA 484-13a	ASMESA 182 13 Chem Only	ASMESA 193 13 ED Except 7.3.1
ASMESA 320 13	ASMESA 479-13	AMS 5639H
AMS 5647J	ASTMA 320-11a GR B8	SAE-AMS QQ-S-763C
ASTM A314-13a		

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.018	1.90	.034	.027	.49	18.18	8.27	.75	.60	.08	.08

**BRINELL (Type A device used)**

HBW  
178

**TENSILE PROPERTIES ASTM E8-13a**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
85200	36300	63.4	78.3

**GRAIN SIZE ASTM E112-13**

GRAIN SIZE	Etchant	Magnification X
8	Oxalic	100

**ASTM A262-13 PR E(A Utilized)**

OXALIC	Structure	Etchant	Magnification X	QUENCH	SENS (F)	SENS (HR)
OK	Step	Oxalic	500	Air	1200	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:

E415-14, E1019-11, E1086-14.

Location of tensile fracture: inside middle of gage length.

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 and is DFARS compliant.

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

*Dennis Hackett*

email: DHackett@valbruna.us

Dennis Hackett

