

255818



VALBRUNA

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905

Product Certification Report

Report Number: **4747100**

Certified on Jan 31, 2012 Page 1 of 2

Order I.D. 1200017 009		Order Date 1/03/12		Commodity Code 304D6.25	
Dim 1 6.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 255818	Customer I.D. 002472	Customer Purchase Order 32116
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 304/304L
Length (Inches) 120.000 Min. 168.000 Max.			Bill of Lading # 416410	Weight	

Ship To
VALBRUNA STAINLESS, INC
370 VILLAGE DRIVE
CAROL STREAM, IL. 60188

Sold To
VALBRUNA STAINLESS, INC.
370 VILLAGE DRIVE
CAROL STREAM, IL 60188

Lifts: 0010 0016

MIL-S-862B	NACE MR0175-10 ISO 15156-3	UNS S30400 and S30403
ASTMA 276-10	ASTMA 182-10 Chem Only	ASTMA 193-10a
ASMESA 182 10 ED Chem Only	ASTMA 479-10a	ASTMA 484-10
ASMESA 479-10	ASMESA 193 07 ED	ASMESA 320 01 ED 2002 ADD
ASTMA 320-08 GR B8	AMS 5639H	AMS 5647J
	SAE-AMS QQ-S-763B	ASTM A314-08

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.017	1.80	.031	.027	.36	18.22	8.18	.53	.45	.09	.08

BRINELL HARDNESS ASTM E10-08

HBW
158

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
81600	35500	62.7	78.3

MACRO ASTM E340-00/E381-01

MACRO
OK
OK
OK

GRAIN SIZE ASTM E112-10

GRAIN SIZE	Etchant	Magnification X
8	Oxalic	100

ASTMA 262-10 PR E(A Utilized)

OXALIC	Etchant	Magnification X
OK	Oxalic	500

Free of mercury and low melting alloy contamination.

Heated to 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; E415-08, E572-02a, E1019-08, E1085-95, E1086-08

Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

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

Dennis Hackett

opper & Brass Sales

Customer: 2012-209
Customer PO: 2402016184
Weight: BT
Ship/Deliv #: BT



VALBRUNA

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 690
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905

Product Certification Report

Report Number: 4747100

Certified on Jan 31, 2012 Page 2 of 2

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370 VILLAGE DRIVE
CAROL STREAM, IL 60188

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.
Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

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Manager Laboratory Services

Dennis Hackett