

~~PO 76471 WO 5536, 5537~~
 C+B PO 76471 WO 5536, 5537
 C/A 2-40, 2-80

PO: 5400 10927
 PO: 5400 10927
 GR: 9301 12233



VALBRUNA

SLATER STAINLESS, INC.
 2400 Taylor Street West, P.O. Box 690
 Fort Wayne, Indiana USA 46801
 Phone: 260-434-2882 Fax: 260-434-2905

253916

Product Certification Report
 Report Number: 4674550

Certified on Jun 23, 2011 Page 1 of 2

Order I.D. 1101396 018		Order Date 5/23/11		Commodity Code 316D3.75R	
Dim 1 3.7500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 253916	Customer I.D. 002474	Customer Purchase Order 30400
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 316/316L
Length (inches) 132.000 Min. 156.000 Max.			Bill of Lading # 414830	Weight	

Ship To
 VALBRUNA STAINLESS, INC.
 13950 BENSON AVENUE
 CHINO, CA 91710

10/14/11

Sold To
 VALBRUNA CORP.
 31 IRON HORSE ROAD
 OAKLAND, NJ 07436

Lifts: 0039 0040

MIL-S-7720A AMEND 1 XCEPT Cu	MIL-S-862B	NACE MRO 175-05 ISO 15156
UNS S31600/S31603		ASTMA 182-09a Chem Only
ASTMA 193-09	ASTMA 276-10	ASTMA 320-08
ASTMA 479-10a	ASTMA 484-09	ASMESA 182 07 ED Chem Only
ASMESA 193 07 ED	ASMESA 479-10	ASMESA 484 07 ED
AMS 5648K	AMS 5653F	SAE-AMS QQ-S-763B

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.013	1.55	.030	.030	.50	16.89	10.03	2.01	.59	.10	.06

BRINELL HARDNESS ASTM E10-08

HBW
177

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
85500	48500	56.6	75.7

MACRO ASTM E340-00/E381-01

MACRO
OK
OK

GRAIN SIZE ASTM E112-96

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 performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-95,

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.

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



VALBRUNA

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 830
Fort Wayne, Indiana USA 46801
Phone: 260-434-2882 Fax: 260-434-2905

Product Certification Report

Report Number: **4674550**

Certified on Jun 23, 2011 Page 2 of 2

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13950 BENSON AVENUE
CHINO, CA 91710

Sold To

VALBRUNA CORP.
31 IRON HORSE ROAD
OAKLAND, NJ 07436

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.

SV
mm

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