



VALBRUNA

SLATER STAINLESS, INC.

2400 Taylor Street West, P.O. Box 680  
Fort Wayne, Indiana USA 46801  
Phone: 260-434-2892 Fax: 260-434-2805

419397

Product Certificate

Report Number: 4347

Certified on Mar 17, 2008 Page 1

Order ID 0800731 011	Order Date 3/11/08	Commodity Code
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000
Heat ID 419397	Customer I.D. 002476	Customer Purchase Order 803001935
Product Shape Rounds	Product Surface HR & Rough Turned	Customer Grade 316/316L
Length (Inches) 132.000 Min. 156.000 Max.	B-B of Lading # 407347	Weight

Ship To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Sold To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Lifts: 0023 0024

NACE MR-0175 ISO 15156

ASTMA 276-06

ASTMA 479-06a

ASMESA 479 06

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.030	1.68	.027	.029	.50	16.97	10.28	2.00	.53	.08	.08

HB  
178

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88200	62300	58.2	76.7

MACRO ASTM E340/E381

MACRO  
OK  
OK

GRAIN SIZE ASTM E112

GRAIN SIZE  
8

ASTM A 262 PRAC E(A Utilized)

OXALIC  
OK

Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum quality).  
 Chemical testing performed to one or several of the following ASTM methods: E415, E572, E1019, E1085, E1086.  
 No mercury or low melting alloy contamination. No weld repair.  
 Material melted in Italy, manufactured in the United States.  
 Material conforms to listed specifications.  
 Quality system is compliant with ISO 9001:2000. Produced in accordance with EN 10204 3.1B.

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

E17395