



VALBRUNA

SLATER STAINLESS, INC.  
2400 Taylor Street West, P.O. Box 630  
Fort Wayne, Indiana USA 46801  
Phone: 260-434-2882 Fax: 260-434-2905

250794

Product Certification Report

Report Number: 4538450

CO24199

Certified on May 05, 2010 Page 1 of 1

Order I.D. 1000654 019		Order Date 3/02/10		Commodity Code			
Dim 1 6.7500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 250794	Customer I.D. 002476	Customer Purchase Order 003002617		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 120.000 Min. 168.000 Max.		Bill of Lading # 411981	Weight				

Ship To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

ok  
3/10/10

Sold To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Lifts: 0018

CONDITION A

\* NACE MRO 175-05 ISO 15156 ASTM 276-08a  
EN 10272

ASTMA 479-08

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.016	1.72	.030	.024	.50	16.74	10.28	2.04	.50	.11	.05

BRINELL HARDNESS ASTM E10-08

HBW  
158

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	2%YS (PSI)	1%Y.S. (PSI)	%EL(2")	%EL(5d)	%RA
82800	34400	42300	65.9	59.5	75.7

MACRO ASTM E340-00/E381-01

MACRO  
OK  
OK

GRAIN SIZE ASTM E112-96

GRAIN SIZE	Etchant	Magnification X
7	Oxalic	100

ASTMA 262-02a PR B(A Utilized)

OXALIC Etchant Magnification X  
OK Oxalic 500

ASTM A 262-02 (Prac B)

BEND TEST  
OK

Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum quality).  
 Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-9:  
 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.  
 Quality system is compliant with ISO 9001:2000. Produced in accordance with EN 10204 3.1.\*

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