



**VALBRUNA**

SLATER STAINLESS, INC.  
2400 Taylor Street West, P.O. Box 630  
Fort Wayne, Indiana USA 46804  
Phone: 260-434-2892 Fax: 260-434-2905

423254

**Product Certification Report**

**Report Number: 4497760**

Certified on Jan 12, 2010 Page 1 of 1

Order I.D. 0902337 019		Order Date 12/23/09		Commodity Code			
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 423254	Customer I.D. 002476	Customer Purchase Order 912002520		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 411204	Weight			

**Ship To**  
VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

**Sold To**  
VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Lifts: 0035 0040  
NACE MR0175 ISO 15156      ASTM 276-08a      ASTM 479-08  
ASMESA 479-07

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.012	1.76	.032	.026	.60	16.89	10.35	2.01	.47	.10	.07

HBW  
169

**TENSILE PROPERTIES**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
85400	37900	58.4	77.8

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 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