



**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

247892

**Product Certification Report**

Report Number: **4437690**

Certified on Mar 11, 2009 Page 1 of 1

E 18404

Order I.D. 0900399 012		Order Date 3/04/09		Commodity Code			
Dim 1 3.7500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 247892	Customer I.D. 002476	Customer Purchase Order 903002178		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 409815	Weight			

Ship To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Sold To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Lifts: 0028 0030 0031

NACE MR0175 ISO 15156 03ed.      ASTMA 276-08      ASTMA 479-06a  
ASMESA 479 06

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.018	1.53	.031	.030	.59	16.61	10.13	2.04	.87	.10	.06

HB  
181

**TENSILE PROPERTIES**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
91100	51700	52.3	72.0

MACRO ASTM E340/E381

MACRO  
OK  
OK

GRAIN SIZE ASTM E112

GRAIN SIZE  
7

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 3.1.

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