



**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

**Product Certification Report**

**Report Number: 4053621**

**Certified on Mar 03, 2005 Page 1 of 1**

Order I.D. 0400595 001		Order Date 10/13/04		Commodity Code			
Dim 1 6.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 239306	Customer I.D. 002476	Customer Purchase Order 410001208		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 120.000 Min. 168.000 Max.			Bill of Lading # 400899	Weight			

**Ship To**

Attention: KEVIN MACNEIL  
VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

**Sold To**

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

**Lifts: 0045**

NACE MR-01075 ISO 15156

ASTMA 276-02a

ASTMA 479-02

ASMESA 479 03

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.019	1.76	.033	.025	.58	16.82	10.31	2.00	.46	.09	.08

HB  
176

**TENSILE PROPERTIES**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
85900	43400	57.0	74.4

**MACRO ASTM E340/E381**

MACRO  
OK

**GRAIN SIZE ASTM E112**

GRAIN SIZE  
7

**ASTM A 262 PRAC E (A Utilized)**

OXALIC  
OK

No mercury or low melting alloy contamination. No weld repair.

Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum quality).

\*Solution annealing heat treatment time is continuous from ingot heating to quenching of the hot rolled product in water

\*Certification revised at Valbruna by D. Hackett (9/28/06).

Chemical testing performed to one or several of the following ASTM methods: E415, E572, E1019, E1085, E1086.

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.

HOWCO METALS MANAGEMENT  
CERTIFIED TRUE COPY

HEAT No.	SO No. 239306
239306	P.O. No. Darko
AUTH SIGNATORY	DATE 03-29-07

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

#1379