

252164

Product Certification Report



VALBRUNA

SLATER STAINLESS, INC  
2400 Taylor Street West, P.O. Box 330  
Fort Wayne, Indiana USA 46801  
Phone: 260-434-2892 Fax 260-434-2305

Report Number: 4620611

Certified on Jan 19, 2011 Page 1 of 1

Order ID 1100166 010		Order Date 1/14/11		Commodity Code	
Dim 1 3.7500	Dim 2 .0000	Dim 3 .0000	Heat ID 252164	Customer ID 002476	Customer Purchase Order 101003054
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 316/316L
Length (Inches) 132.000 Min. 156.000 Max.			Roll or Ladg # 413572	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 0025 0026 0031  
CONDITION A NACE MR0 175-05 ISO 15156 ASTMA 276-08a  
ASTMA 479-08 ASMESA 479-07 EN 10270 Feb. 2008

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
0.14	1.42	0.28	0.30	54	17.00	10.04	2.01	40	0.06	0.06

BRINELL HARDNESS ASTM E10-08  
HBW  
171

TENSILE PROPERTIES ASTM E8-08  
TS (PSI) 83700 YS (PSI) 39900 ELONG 44000 REDUCED 55.5  
ELONG 49.0 REDUCED 76.4

MACRO ASTM E340-00/E381-01  
MACRO  
OK  
OK

GRAIN SIZE ASTM E112-96  
GRAIN SIZE Etchant Magnification X  
8 Oxalic 100

ASTMA 262-10 PR E(A Utilized)  
OXALIC Etchant Magnification X  
OK Oxalic 500

ASTM A 262-10 (Prac E)  
BEND TEST  
OK

Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum quality).  
\*Certification revised at Valbruna by D. Hackett (5/27/11).  
Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-97  
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 9001:2008. 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