



**VALBRUNA**

SLATER STAINLESS, INC.  
2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2500 - FAX 260.434.2801

255402

Product Certification Report

Report Number: 4865310

Certified on Feb 28, 2013 Page 1 of 1

Order I.D. 1300416 010		Order Date 2/20/13		Commodity Code			
Dim 1 5.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 255402	Customer I.D. 002476	Customer Purchase Order 302004047		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 418987	Weight			

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

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

Lifts: 0018

Condition A NACE MR0175-10 ISO 15156-3 ASTMA 276-10  
ASTMA 479-12 EN 10272 Feb. 2008

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.022	1.70	.029	.024	.36	17.15	10.09	2.03	.56	.10	.07

BRINELL HARDNESS ASTM E10-12

HBW  
162

TENSILE PROPERTIES ASTM E8-11

TS (PSI)	.2%YS (PSI)	1%Y.S. (PSI)	%EL(2")	%EL(5d)	%RA
82400	37000	40000	61.5	56.0	79.0

MACRO ASTM E340-00/E381-01

MACRO  
OK

GRAIN SIZE ASTM E112-10

GRAIN SIZE	Etchant	Magnification X
7	Oxalic	100

ASTM A262-10 PR E(A Utilized)

OXALIC	Etchant	Magnification X
OK	Oxalic	500

ASTM A 262-10 (Prac E)

BEND TEST  
OK

Solution annealed at 1900F min. and water quenched (heating time & temp appropriate for optimum quality).

Chemical testing to one or more of the listed ASTM methods:

E415-08, E572-02a, E1019-11, E1085-95, E1086-08.

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*

email DHackett@valbruna.us

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