



VALBRUNA

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 980
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905

Product Certification Report

Report Number: **4554411**

251432

Certified on Jun 22, 2010 Page 1 of 2

Order I.D. 1001158 017	Order Date 4/26/10	Commodity Code C012926			
Dim 1 3.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 251432	Customer I.D. 002476	Customer Purchase Order 004002705
Product Shape Rounds		Product Surface HR & Rough Turned		Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 412286	Weight	

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

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

Lifts: 0045 0046	GRADE 1.4401	CONDITION A	NACE MRO 175-05 ISO 15156
ASTMA 276-08a	ASTMA 479-08	EN 10272	

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.014	1.44	.029	.030	.38	17.21	10.11	2.00	.64	.09	.07

BRINELL HARDNESS ASTM E10-08
HBW
157

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	1%Y.S. (PSI)	%EL(2")	%EL(5d)	%RA
86800	52600	55700	57.4	53.0	78.2

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).
*The Quality Management System is certified acc. Pressure Equipment Directive (97/23/EC 7/2) Annex 1 para. 4.3 by
*Certification revised at Valbruna by D. Hackett (8/9/10).
Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-95,
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.

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



VALBRUNA

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
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Quality system is compliant with ISO 9001:2000. Produced in accordance with EN 10204 3.1.

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