



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: **4022170**

Certified on Dec 17, 2004 Page 1 of 1

Order I.D. 0400843 007		Order Date 11/24/04		Commodity Code		
Dim 1 3.7500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 238322	Customer I.D. 002476	Customer Purchase Order 411001259	
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 400478	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: 0040 0078

NACE MR-01-75 REV 03

ASTMA 276-02a

ASTMA 479-02

ASMESA 479 03

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.010	1.53	.031	.029	.69	16.93	10.13	2.03	.49	.09	.08

HB

187

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88400	51200	53.2	74.2

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.

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.

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

E13032



VALBRUNA
SLATER STAINLESS, INC.
 2400 Taylor Street West, P.O. Box 630
 Fort Wayne, Indiana USA 46801
 Phone: 260-434-2992 Fax: 260-434-2906

Product Certification Report

Report Number: **4012871**

Certified on Nov 19, 2004 Page 1 of 1

Order ID. 0400598 003		Order Date 10/13/04		Commodity Code			
Dim 1 3.7500	Dim 2 .0000	Dim 3 .0000	Heat ID. 238322	Customer ID. 002476	Customer Purchase Order 410001206		
Product Shape Rounds		Product Surface HR & Rough Turned			Customer Grade 316/316L		
Length (Inches) 132.000 Min. 156.000 Max.			End of Length # 400237	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: 0049

NAGE MR-01-75 REV 03

ASTMA 276-02a

ASTMA 479-02

479 03

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.010	1.53	.031	.029	.69	16.93	10.13	2.03	.69	.09	.08

HB

187

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88400	51200	53.2	75.2

MACRO ASTM E340/E381

MACRO

OK

GRAIN SIZE ASTM E112

GRAIN SIZE

7

ASTM A 262 PRAC E(A Utilized)

ORALIC

OK

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

*Material was annealed at 1900F min and water quenched.

*Certification revised at Valbruna by D. Hackett (1/10/5).

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



Results relate only to the items tested. Certification shall not be reproduced except in full, without the 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

JAN-10-2005 10:17

96%

HOWCO METALS MANAGEMENT
CERTIFIED TRUE COPY

HEAT No.	SO No. 0046
238322	P.O. No. 7193
AUTH SIGNATORY	DAT
U	8/2/7

FOR HOWCO METALS MANGEMENT PAGE 1 OF 1