

C174244



VALBRUNA

SLATER STAINLESS, INC.
2400 TAYLOR STREET WEST - PO BOX 630
FORT WAYNE IN 46802 USA
PHONE 260.434.2800 - FAX 260.434.2801

Product Certification Report

Report Number: **5223370**

Certified on Jun 03, 2016 Page 1 of 2

Order I.D. 1600602 015		Order Date 4/06/16		Commodity Code			
Dim 1 8.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 426694	Customer I.D. 002476	Customer Purchase Order 604005714		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 120.000 Min. 168.000 Max.		Bill of Lading # 427198	Weight		Melt Date: 4/28/14		

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

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

Lifts: 0051

Condition A	NACE MR0175/ISO 15156-3 2009	NACE MR0103-2012
QQ-S-763E	ASTMA 276-16	ASTMA 479-16
ASMESA 182 13 Chem Only	ASMESA 479-13	AMS 5648L
AMS 5653H	EN 10272 Feb. 2008	

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.016	1.71	.030	.026	.52	16.89	10.19	2.00	.57	.08	.07

BRINELL (Type A device) (E-10)

HBW

172

TENSILE PROPERTIES ASTM E8-15a

TS (PSI)	.2%YS (PSI)	1%Y.S. (PSI)	%EL(2")	%EL(5d)	%RA
81000	38200	43100	59.7	56.7	78.8

MACRO ASTM E340-15/E381-01

MACRO

OK

GRAIN SIZE ASTM E112-13

GRAIN SIZE	Etchant	Magnification X
7	Oxalic	100

ASTM A262-14 PR E(A Utilized)

OXALIC	Etchant	Magnification X	QUENCH	SENS(F)	SENS(HR)
OK	Oxalic	500	Air	1200	1.50

ASTM A 262-14 (Prac E) 180deg,

BEND TEST	QUENCH	SENS(F)	SENS(HR)
OK	Air	1200	1.50

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:

E415-14, E1019-11, E1086-14.

Location of tensile fracture: inside middle of gage length. %elong after fracture.

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

email: DHackett@valbruna.us

Dennis Hackett

0174244

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VALBRUNA
SLATER STAINLESS, INC.
2400 TAYLOR STREET WEST - PO BOX 630
FONT WILMINE IN 46602 USA
PHONE 260.434.2600 - FAX 260.434.2601



certified on Jun 03, 2016 Page 2 of 2

Order I.D.	1600602 015	Order Date	4/06/16	Commodity Code	
Dim 1	8.0000	Dim 2	.0000	Dim 3	.0000
Product Shape	Rounds				
Product Surface	HR & Rough Turned				
Customer I.D.	002476	Customer Purchase Order	604005714	Weight	427198
Customer Grade	316/316L				
Melt Date:	4/28/14				

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Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

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Manager Laboratory Services
Dennis Hackett
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