

HT# 425339



VALBRUNA

SLATER STAINLESS, INC.
2400 TAYLOR STREET WEST - PO BOX 630
FORT WAYNE IN 46002 USA
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Product Certification Report

Report Number: 5154231

Certified on Jul 02, 2015 Page 1 of 1

Order I.D.	Order Date	Commodity Code			
1501054 001	6/23/15				
Dim 1	Dim 2	Dim 3	Heat I.D.	Customer I.D.	Customer Purchase Order
6.2500	.0000	.0000	427159	002476	506005326
Product Shape	Product Surface			Customer Grade	
Rounds	HR & Rough Turned			304/304L	
Length (Inches)	Bill of Lading #		Weight		
120.000 Min. 168.000 Max.	425339				

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

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

Lifts: 0047

Condition A	*NACE MR0175/ISO 15156-3 2015	*NACE MR0103-2015
QQ-S- 763F	ASTMA 276-15	ASTMA 479-14
ASTMA 484-14a	AMS 5639H	AMS 5647J
ASMESA 479 13	SAE-AMS QQ-S-763C	

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N
.019	1.90	.028	.029	.53	18.26	8.11	.61	.45	.08

BRINELL (Type A device) (E-10)

HBW
153

TENSILE PROPERTIES ASTM E8-13a

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
83700	38100	65.6	80.5

MACRO ASTM E340-13/E381-01

MACRO
OK
OK
OK

GRAIN SIZE ASTM E112-13

GRAIN SIZE	Etchant	Magnification X
7	Oxalic	100

ASTM A262-13 PR E(A Utilized)

OXALIC	Structure	Etchant	Magnification X	QUENCH	SENS(F)	SENS(HR)
OK	Dual	Oxalic	500	Air	1250	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.

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 *Tad Landwehr*

email TLandwehr@valbruna.us

Tad Landwehr