



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: **4474481**

423597

Certified on Sep 29, 2009 Page 1 of 1

Order I.D. 0901589 006		Order Date 9/17/09		Commodity Code			
Dim 1 6.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 423597	Customer I.D. 002476	Customer Purchase Order 909002393		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 304/304L	
Length (Inches) 120.000 Min. 168.000 Max.			Bill of Lading # 410717	Weight			

Ship To

VALBRUNA CANADA LTD.
8724 HOLGATE CRESCENT
MILTON, ONTARIO L9T5Z1

Sold To

VALBRUNA CANADA LTD.
8724 HOLGATE CRESCENT
MILTON, ONTARIO L9T5Z1

Lifts: 0034 0035 0036

CONDITION A	*NACE MRO 175-05 ISO 15156	QQ-S- 763F
ASTMA 276-08a	ASTMA 479-08	ASTMA 484-08
AMS 5639H	AMS 5647H	ASMESA 479 01 Ed 2002add
SAE-AMS QQ-S-763B		

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.016	1.98	.027	.028	.49	18.16	8.38	.62	.46	.08	.08

HBW
180

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
86800	42700	58.2	76.2

MACRO ASTM E340/E381

MACRO
OK
OK
OK

GRAIN SIZE ASTM E112

GRAIN SIZE
7

ASTM A 262 PRAC E(A Utilized)

OXALIC
OK

Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum quality).

*Certification revised at Valbruna by D. Hackett (11/29/10).

Chemical testing performed to one or several of the following ASTM methods: E415, E572, E1019, E1085, E1086.

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 9001:2000. 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