

54183



**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: 4236940**

Certified on Nov 16, 2006 Page 1 of 1

Order I.D. 0603206 002		Order Date 11/14/06		Commodity Code		
Dim 1 5.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 418151	Customer I.D. 002476	Customer Purchase Order 611001724	
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 304/304L
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 404340	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: 0022 0023 0024**

CONDITION A QQS 763F ASTMA 276-06  
 ASTMA 479-05 ASTMA 484-03A AMS 5639H  
 AMS 5647H ASMESA 479 01 Ed 2002add SAE-AMS QQ-S-763A

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.018	1.94	.028	.023	.44	18.18	8.27	.36	.50	.12	.09
HB 174										

**TENSILE PROPERTIES**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88400	41800	59.0	73.0

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).  
 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.  
 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