



**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

245176

**Product Certification Report**

Report Number: **4309560**

Certified on Oct 12, 2007 Page 1 of 1

Order I.D. <b>0701721 007</b>	Order Date <b>9/11/07</b>	Commodity Code			
Dim 1 <b>.6.0000</b>	Dim 2 <b>.0000</b>	Dim 3 <b>.0000</b>	Heat I.D. <b>245176</b>	Customer I.O. <b>002476</b>	Customer Purchase Order <b>709001848</b>
Product Shape <b>Rounds</b>		Product Surface <b>HR &amp; Rough Turned</b>			Customer Grade <b>304/304L</b>
Length (inches) <b>132.000 Min. 156.000 Max.</b>			BBI of Ladings <b>406270</b>	Weight	

**Ship To**

**VALBRUNA CANADA LTD.**  
**8724 HOLGATE CRESCENT**  
**MILTON, ONTARIO L9T5Z1**

**Sold To**

**VALBRUNA CANADA LTD.**  
**8724 HOLGATE CRESCENT**  
**MILTON, ONTARIO L9T5Z1**

**Lifts: 0068**

<b>CONDITION A</b>	<b>QQ-S- 763F</b>	<b>ASTMA 276-06</b>
<b>ASTMA 479-06a</b>	<b>ASTMA 484-05a</b>	<b>AMS 5639H</b>
<b>AMS 5647H</b>	<b>ASMESA 479 01 Ed 2002add</b>	<b>SAE-AMS QQ-S-763B</b>

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.017	1.88	.027	.023	.60	18.13	8.16	.54	.49	.08	.09

**HB**

**177**

**TENSILE PROPERTIES**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
86400	41100	62.0	76.1

**MACRO ASTM E340/E381**

**MACRO**  
**OK**  
**OK**  
**OK**

**GRAIN SIZE ASTM E112**

**GRAIN SIZE**  
**6**

**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* E16099

Dennis Hackett