

248207



VALBRUNA
SLATER STAINLESS, INC.
 2400 Taylor Street West, P.O. Box 630
 Fort Wayne, Indiana USA 46801
 Phone: 260-434-2892 Fax: 260-434-2805

Product Certification Report

E19238

Report Number: **4451190**

Certified on May 26, 2009 Page 1 of 1

Order I.D. 0900725 008	Order Date 5/05/09	Commodity Code 316D3.0RT
Dim 1 3.0000	Dim 2 .0000	Dim 3 .0000
Material 248207	Customer I.D. 002476	Customer Purchase Order 905002247
Product Shape Rounds	Product Surface HR & Rough Turned	Customer Grade 316/316L
Length (Inches) 132.000 Min. 156.000 Max.	Bill of Lading # 410154	Weight

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

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

Lifts: 0037 0038 0039 0040
 NACE MR0175 ISO 15156 03ed. ASTM 276-C8a ASTM 479-08
 ASMESA 479 06

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.020	1.47	.027	.030	.70	16.78	10.15	2.03	.63	.09	.06

HB
189
 TENSILE PROPERTIES
 TS (PSI) .2%YS (PSI) %EL(2") %RA
 94100 55600 53.2 73.5

MACRO ASTM E340/E381
 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 3.1.

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

✓