



VALBRUNA

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 890
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905

247689

Product Certification Report

Report Number: 4422010

Certified on Jan 13, 2009 Page 1 of 1

E 18817

| | | | | | | | |
|--|----------------|-----------------------|--------------------------------------|-------------------------|--------------------------------------|----------------------------|--|
| Order I.D. 0900050 016 | | Order Date 1/08/09 | | Commodity Code | | | |
| Dim 1 3.7500 | Dim 2 .0000 | Dim 3 .0000 | Heat I.D. 247689 | Customer I.D. 002476 | Customer Purchase Order 901002115 | | |
| Product Shape Rounds | | | Product Surface HR & Rough Turned | | | Customer Grade 316/316L | |
| Length (Inches) 132.000 Min. 156.000 Max. | | | Bill of Lading # 409435 | Weight | | | |

Ship To

VALBRUNA CANADA LTD.
8724 HOLGATE CRESCENT
MILTON, ONTARIO L9T5Z1

Sold To

VALBRUNA CANADA LTD.
8724 HOLGATE CRESCENT
MILTON, ONTARIO L9T5Z1

Lifts: 0024 0028

NACE MR0175 ISO 15156 03ed. ASTMA 276-08 ASTMA 479-06a
ASMESA 479 06

CHEMICAL ANALYSIS

| C | Mn | P | S | Si | Cr | Ni | Mo | Cu | Co | N |
|------|------|------|------|-----|-------|-------|------|-----|-----|-----|
| .018 | 1.39 | .028 | .030 | .56 | 16.59 | 10.12 | 2.02 | .52 | .09 | .06 |
| HB | | | | | | | | | | |
| 166 | | | | | | | | | | |

TENSILE PROPERTIES

| TS (PSI) | .2%YS (PSI) | %EL(2") | %RA |
|----------|-------------|---------|------|
| 89500 | 59400 | 51.8 | 74.2 |

MACRO ASTM E340/E381

MACRO
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

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