



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

247548

Product Certificate

Report Number: 4

Report

220

Certified on Jun 10, 2009

1 of 1

| | | | | | |
|--|----------------|-----------------------|--------------------------------------|-------------------------|----------------------------------|
| Order I.D. 0900917 013 | | Order Date 6/08/09 | | Commodity Code | |
| Dim 1 6.2500 | Dim 2 .0000 | Dim 3 .0000 | Heat I.D. 247548 | Customer I.D. 002474 | Customer Purchase Order 24831 |
| Product Shape Rounds | | | Product Surface HR & Rough Turned | | Cu 3: |
| Length (Inches) 120.000 Min. 168.000 Max. | | | Bill of Lading # 410288 | Weight | |

| |
|--------------|
| Grade 16L |
|--------------|

Ship To
VALBRUNA STAINLESS, INC.
13950 BENSON AVENUE
CHINO, CA 91710

Sold To
VALBRUNA CORP.
31 IRON HORSE ROAD
OAKLAND, NJ 07436

Lifts: 0059
MIL-S-7720A AMEND 1 XCPT Cu MIL-S-862B
UNS S31600/S31603
ASTMA 193-08b
ASTMA 479-08
ASMESA 193 01 ED 2002AD
AMS 5648K
CHEMICAL ANALYSIS

NACE MR0175

| C | Mn | P | S | Si | Cr | Ni | Mo | Cu | Co |
|------|------|------|------|-----|-------|-------|------|-----|-----|
| .019 | 1.84 | .030 | .024 | .52 | 16.74 | 10.15 | 2.01 | .52 | .08 |

HB
169
TENSILE PROPERTIES
TS (PSI) .2%YS (PSI) %EL(2") %RA
85800 41500 60.0 74.5

MACRO ASTM E340/E381
MACRO
OK
OK
GRAIN SIZE ASTM E112
GRAIN SIZE
7
ASTM A 262 PRAC E(A Utilized)
OXALIC
OK

Free of mercury and low melting alloy contamination.
Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum qua
No welding or weld repair done.
Electric Furnace melted; AOD refined.
Chemical testing performed to one or several of the following ASTM methods: E415, E572, E
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

15156
em Only
em Only-03Ad
2002 ADD
3

E1085, E1086.

approval of Valbruna
is a felony
for hazard info.

Results relate only to the items tested. Certification shall not be reproduced except in full, without write
Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punish
under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (M
I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services
Dennis Hackett
Dennis Hackett