

4" TBR



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 E 20027

Report Number: 4474520

Certified on Sep 29, 2009 Page 1 of 1

Order I.D. 0901589 008		Order Date 9/17/09		Commodity Code 316D4.0RT	
Dim 1 4.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 249425	Customer I.D. 002476	Customer Purchase Order 909002393
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 316/316L
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 410717	Weight	

Ship To

VALBRUNA CANADA LTD.
8724 HOLGATE CRESCENT
MILTON, ONTARIO L9T5Z1

Sold To

VALBRUNA CANADA LTD.
8724 HOLGATE CRESCENT
MILTON, ONTARIO L9T5Z1

Lifts: 0017 0018 0019 0020

NACE MR0175 ISO 15156

ASTMA 276-08a

ASTMA 479-08

ASMESA 479-07

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.014	1.46	.029	.030	.52	16.56	10.09	2.00	.67	.11	.06

HBW
172

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
86100	42800	62.0	74.7

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 and is DFARS compliant.

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

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