

250251(3.125)

5400061674



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

Report Number: **4513930**

Certified on Mar 01, 2010 Page 1 of 1

Order I.D. 1000129 003		Order Date 1/13/10		Commodity Code			
Dim 1 3.1250	Dim 2 .0000	Dim 3 .0000	Heat I.D. 250251	Customer I.D. 002472	Customer Purchase Order 26201		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (inches) 132.000 Min. 156.000 Max.			Bill of Lading # 411524	Weight			

Ship To

VALBRUNA STAINLESS, INC
370 VILLAGE DRIVE
CAROL STREAM, IL. 60188

Sold To

VALBRUNA STAINLESS, INC.
370 VILLAGE DRIVE
CAROL STREAM, IL 60188

Lifts: 0056

MIL-S-7720A AMEND 1 XCPT Cu	MIL-S-862B	NACE MRO 175-05 ISO 15156
UNS S31600/S31603		ASTMA 182-09a Chem Only
ASTMA 193-08b	ASTMA 276-08a	ASTMA 320-08
ASTMA 479-08	ASTMA 484-08	ASMESA 182 07 ED Chem Only
ASMESA 193 07 ED	ASMESA 479-07	ASMESA 484 07 ED
AMS 5648K	AMS 5653F	SAE-AMS QQ-S-763B

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.012	1.48	.031	.030	.50	17.12	10.13	2.02	.75	.13	.07

BRINELL HARDNESS ASTM E10-08

HBW
181

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
89800	58300	52.4	73.2

GRAIN SIZE ASTM E112-96

GRAIN SIZE
7

ASTMA 262-02a PR 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 quality).

No welding or weld repair done.

Electric Furnace melted; AOD refined.

Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-95,

Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

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