



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: **4423650**

247389.

Certified on Jan 19, 2009 Page 1 of 1

Order I.D. 0900084 005		Order Date 1/15/09		Commodity Code			
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 247389	Customer I.D. 002474	Customer Purchase Order 24311		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 409483	Weight			

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

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

Lifts: 0028

MIL-S-7720A AMEND 1 XCPT Cu	MIL-S-862B	NACE MR0175 ISO 15156 03ed.
UNS S31600/S31603		ASTMA 182-07a Chem Only
ASTMA 193-07	ASTMA 276-08	ASTMA 320-02
ASTMA 479-06a	ASTMA 484-06b	ASMESA182 01ED Chem Only-03Ad
ASMESA 193 01 ED 2002AD	ASMESA 479 06	ASMESA 484 01 ED 2002 ADD
AMS 5648K	AMS 5653F	SAE-AMS QQ-S-763B

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.016	1.76	.030	.028	.55	16.59	10.29	2.07	.64	.09	.07

HB
180

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88300	50600	54.0	75.0

MACRO ASTM E340/E381

MACRO
OK
OK

GRAIN SIZE ASTM E112

GRAIN SIZE
8

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 quality).
 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, 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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