



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

251839

Product Certification Report

Report Number: **4597531**

Certified on Nov 01, 2010 Page 1 of 2

Order I.D. 1002342 010		Order Date 10/25/10		Commodity Code 403593-7	
Dim 1 3.7500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 251839	Customer I.D. 001155	Customer Purchase Order 5400074837-R01 (SCHAUMBURG)
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 304/304L
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 413167	Weight	

Ship To
**COPPER AND BRASS SALES
415 STATE PARKWAY
SCHAUMBURG, IL 60173**

Sold To
**VALBRUNA STAINLESS, INC.
2400 TAYLOR STREET WEST
FORT WAYNE, IN 46802**

Lifts: 0044

CONDITION A	EN 10204 DTD 1991 3.1.B	MAXX stainless
*NACE MR0175-10 ISO 15156-3	QQ-S-763F	ASTMA 276-08a
ASTMA 479-08	ASTMA 484-08	ASMESA 479-07
AMS 5639H	AMS 5647H	SAE-AMS QQ-S-763B

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.019	1.84	.031	.027	.56	18.07	8.09	.34	.62	.13	.09

BRINELL HARDNESS ASTM E10-08

HBW
183

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
85500	38500	61.5	77.7

MACRO ASTM E340-00/E381-01

MACRO
OK
OK
OK

CPA-100

GRAIN SIZE ASTM E112-96

GRAIN SIZE	Etchant	Magnification X
8	Oxalic	100

ASTMA 262-10 PR E(A Utilized)

OXALIC	Etchant	Magnification X
OK	Oxalic	500

No mercury or low melting alloy contamination. Continuous carbide and intergranular corrosion test OK. MAXX stainless.

*Certification revised at Valbruna by D. Hackett (8/17/12).

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

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.

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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