



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

254611

Product Certification Report

Report Number: 4729031

Certified on Dec 02, 2011 Page 1 of 2

Order I.D. 1102280 008		Order Date 9/19/11		Commodity Code			
Dim 1 4.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 254611	Customer I.D. 002573	Customer Purchase Order 5400116595-R02		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 304/304L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 415959	Weight			

Ship To

Attention: TKX LOGISTICS
COPPER AND BRASS SALES
8001 THYSSENKRUPP PARKWAY
NORTHWOOD, OH 43619

Sold To

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

Lifts: 0035

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

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.021	1.75	.030	.027	.58	18.11	8.09	.50	.62	.09	.09

BRINELL HARDNESS ASTM E10-08

HBW
179

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88600	41600	60.6	74.2

MACRO ASTM E340-00/E381-01

MACRO
OK
OK
OK

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 (7/20/12).

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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Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

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