



C+B 2076387 2005574 CPA 1622/c 3-40

VALBRUNA

Product Certification Report

SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 63
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2806

253311

Report Number: 4671130

Certified on Jun 14, 2011 Page 1 of 2

Order I.D. 1101396 015	Order Date 5/23/11	Commodity Code 304D5.5			
Dim 1 5.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 253311	Customer I.D. 002474	Customer Purchase Order 30400
Product Shape Rounds		Product Surface HR & Rough Turned			Customer Grade 304/304L
Length (Inches) 132.000 Min. 156.000 Max.		Blk of Lading # 414697	Weight		

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

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

Lifts: 0014

MIL-S-862B	NACE MRO 175-05; ISO 15156	UNS S30400 and S30403
ASTMA 276-10	ASTMA 182-09a Chem Only	ASTMA 193-09
ASMESA 182 07 ED Chem Only	ASTMA 479-10a	ASTMA 484-09
ASMESA 479-10	ASMESA 193 07 ED	ASMESA 320 01 ED 2002 ADD
ASTMA 320-08 GR B8	AMS 5639H	AMS 5647H
	SAE-AMS QQ-S-763B	ASTM A314-08

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.021	1.98	.031	.020	.53	18.26	8.03	.41	.42	.12	.09

BRINELL HARDNESS ASTM E10-08

HBW
190

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
88800	39000	67.1	82.3

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

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.

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
Dennis Hackett

SV
all



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

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Certified on Jun 14, 2011 Page 2 of 2

Order I.D. 1101396 015		Order Date 5/23/11		Commodity Code 304D5.5		
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CHINO, CA 91710

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31 IRON HORSE ROAD
OAKLAND, NJ 07436

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 9001:2008. Produced in accordance with **EN 10204 3.1.**

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Manager Laboratory Services

Dennis Hackett

*SV
MC*