

424898



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: **4754240**

Certified on Feb 16, 2012 Page 1 of 2

Order ID: 1102887 005		Order Date: 11/17/11		Commodity Code: 304D5.0	
Dim 1: 5.0000	Dim 2: .0000	Dim 3: .0000	Head ID: 424898	Customer I.D.: 002474	Customer Purchase Order: 31789
Product Shape: Rounds			Product Surface: HR & Rough Turned		Customer Grade: 304/304L
Length (Inches): 132.000 Min. 156.000 Max.			DBI of Lading #: 416557	Weight:	

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

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

Lifts: 0044

MIL-S-862B	NACE MR0175-10	ISO 15156-3	UNS S30400 and S30403
ASTMA 276-10	ASTMA 192-10	Chem Only	ASTMA 193-10a
ASMESA 182 10 ED Chem Only	ASTMA 479-11		ASTMA 484-11
ASMESA 479-10	ASMESA 193 07 ED		ASMESA 320 01 ED 2002 ADD
ASTMA 320-08 GR B8	AMS 5639H		AMS 5647J
	SAB-AMS QQ-S-763B		ASTM A314-08

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.026	1.93	.031	.030	.60	18.07	8.06	.46	.54	.08	.09

BRINELL HARDNESS ASTM E10-08
HW
189

TENSILE PROPERTIES ASTM E8-08

TS (PSI)	.2%YS (PSI)	%EL(2')	%RA
86500	38500	62.4	75.6

MACRO ASTM E340-00/E381-01
MACRO
OK
OK
OK

GRAIN SIZE ASTM E112-10

GRAIN SIZE	Etchant	Magnification X
7	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 to one or more of the listed ASTM methods: E415-08, E572-02a, E1019-08, E1085-95, E1086-08
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 Hockett*
Dennis Hockett



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SLATER STAINLESS, INC.
2400 Taylor Street West, P.O. Box 630
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Product Certification Report

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Certified on Feb 16, 2012 Page 2 of 2

Order ID.		Order Date		Commodity Code	
1102887 005		11/17/11		304D5.0	
Dim 1	Dim 2	Dim 3	Heat ID.	Customer I.D.	Customer Purchase Order
5.0000	.0000	.0000	424898	002474	31789
Product Shape			Product Surface		Customer Grade
Rounds			HR & Rough Turned		304/304L
Length (Inches)			Bill of Lading #	Weight	
132.000 Min. 156.000 Max.			416557		

Ship
To

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

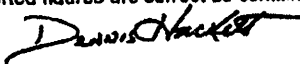
Sold
To

VALBRUNA CORP.
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