



VALBRUNA
SLATER STAINLESS, INC.
2400 TAYLOR STREET WEST - PO BOX 630
CHINO, CALIFORNIA 91710
PHONE: 951.251.2100 - FAX: 951.414.2801

264242

Product Certification Report

Report Number: **5050200**

Certified on Sep 22, 2014 Page 1 of 2

Order ID: 1402122 003		Order Date: 8/07/14		Commodity Code: 316D3. CRT	
Dim 1: 3.0000	Dim 2: .0000	Dim 3: .0000	Heat ID: 264242	Customer I.D. 002474	Customer Purchase Order 41386
Product Shape: Rounds			Product Surface: HR & Rough Turned		Customer Grade: (316/316L)
Length (Inches): 132.000 Min. 156.000 Max.		SRN of Lading #: 422960	Weight:		

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

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

Lifts: 0048 0049 0051

MIL-S-7720A AMEND 1 XCPT Cu	MIL-S-862B	NACE MR0175/ISO 15156-3 2009
NACE MR0103-2010	UNS S31600/S31603	
ASTMA 182-14a Chem Only	ASTMA 193-12b	ASTMA 276-13a
ASTMA 314-13a	ASTMA 320-11a chem only	ASTMA 479-14
ASTMA 484-13a	ASMESA 182 13 Chem Only	ASMESA 193 13 ED Except 7.3.1
ASMESA 479-13	ASMESA 484 10 ED	AMS 5648L
AMS 5653H	SAB-AMS QQ-S-763C	

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.016	1.57	.031	.029	.52	16.66	10.03	2.01	.48	.12	.07

BRINELL (Type A device used)
HBW
152

TENSILE PROPERTIES ASTM E8-13a

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
86700	44800	55.2	75.6

MACRO ASTM E340-13/E381-01
MACRO
OK

GRAIN SIZE ASTM E112-13

GRAIN SIZE	Etchant	Magnification X
7	Oxalic	100

ASTM A262-13 PR E(A Utilized)

OXALIC	Etchant	Magnification X	QUENCH	SENS (F)	SENS (HR)
OK	Oxalic	500	Air	1200	1.50

Free of mercury and low melting alloy contamination.
Solution annealed at 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:
E415-14, E1019-11, E1086-14.
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 *Dermis Hackett*
email: DHackett@valbruna.us Dermis Hackett

From: Copper and Brass Sales CA
Cust. NEXXA INDUSTRIES LTD. Del.: 2403494622
CstAr CstOr 79002
Wgt.: 316.849 LB Date 11/06/2014

John R. Zambetti

1945年



VALBRUNA

SLATER STAINLESS, INC.

2400 TAYLOR STREET WEST - PO BOX 630
CHINO, CALIF. 91710
PHONE 909.414.2800 - FAX 909.414.2801

Product Certification Report

Report Number: **5050200**

Certified on Sep 22, 2014 Page 2 of 2

Order I.D. 1402122 003		Order Date 8/07/14		Commodity Code 316D3.ORT			
Dim 1 3.0000	Dim 2 .0000	Dim 3 .0000	Head I.D. 264242	Customer I.D. 002474	Customer Purchase Order 41386		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 422960	Weight			

Ship To

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

Sold To

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

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

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

email: DHackett@valbruna.us

Dennis Hackett

From: Copper and Brass Sales CA

Cust. NEXXA INDUSTRIES LTD.

Del.: 2403494622

CstAr

CstOr 79002

Wgt.: 316.849 LB

Date 11/06/2014