



VALBRUNA

SLATER STAINLESS, INC.  
2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2800 - FAX 260.434.2801

HF#427035

Product Certification Report

Report Number: 5189401

Certified on Jan 05, 2016 Page 1 of 2

Order ID	Order Date	Commodity Code			
1501893 012	12/15/15	316D6.25			
Dim 1	Dim 2	Dim 3	Heat I.D.	Customer I.D.	Customer Purchase Order
6.2500	.0000	.0000	427035	002474	47392
Product Shape	Product Surface			Customer Grade	
Rounds	HR & Rough Turned			316/316L	
Length (inches)	Bill of Lading #	Weight			
120.000 Min. 168.000 Max.	426291				

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

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Lifts: 0034

MIL-S-7720A AMEND 1 XCPT Cu	MIL-S-862B	NACE MR0175/ISO 15156-3 2009
NACE MR0103-2010	UNS S31600/S31603	ASTMA 182-15 Chem Only
ASTMA 193-14	*ASTMA 276-16	ASTMA 314-13a
ASTMA 320-11a chem only	*ASTMA 479-17	ASTMA 484-15
ASMESA 182 13 Chem Only	ASMESA 193 13 ED Except 7.3.1	ASMESA 479-13
ASMESA 484 10 ED	*AMS 5648M	AMS 5653H
SAE-AMS QQ-S-763D		

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.020	1.81	.030	.025	.58	16.90	10.31	2.02	.63	.07	.07

BRINELL (Type A device) (E-10)

HBW  
167

TENSILE PROPERTIES ASTM E8-15a

TS (PSI)	%YS (PSI)	%EL(2")	%RA
83000	39200	61.8	78.6

MACRO ASTM E340-15/E381-01

MACRO  
OK

GRAIN SIZE ASTM E112-13

GRAIN SIZE	Etchant	Magnification X
8	Oxalic	100

ASTM A262-14 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.

\*Revised 2/7/18 rtk.

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. %elong after fracture.

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

*Tad Landwehr*

email: TLandwehr@valbruna.us

Tad Landwehr

Mar 09/18

From: TK Materials CA, Ltd

Cust. NEXXA INDUSTRIES LTD

CstAr

Wgt.: 431 LB

Del.: 2405809004

CstOr 80229

Date 03/08/2018

*Thomas Sanchez*



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

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

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

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Manager Laboratory Services: *Tad Landwehr*

email: TLandwehr@valbruna.us Tad Landwehr

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