

250746

NEXT

Product Certification Report

Report Number: 4543410

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Order I.D. 1001158 025		Order Date 4/26/10		Commodity Code		
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 250746	Customer I.D. 002476	Customer Purchase Order 004002705	
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 316/316L	
Length (Inches) 132.000 Min. 156.000 Max.			Blk of Lading # 412019	Weight		

Ship To

Sold To

Lifts: 0034  
 CONDITION A  
 ASTM 479-08  
 CHEMICAL ANALYSIS

NACE MRO 175-05 ISO 15156  
 EN 10272  
 ASTM 276-08a

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
015	1.66	.028	.030	.56	16.81	10.30	2.05	.43	.08	.06

BRINELL HARDNESS ASTM E10-08  
 HBW  
 185

TENSILE PROPERTIES ASTM E8-08  
 TS (PSI) .2%YS (PSI) 1%Y.S. (PSI) %EL(2") %EL(5d) %RA  
 86100 38200 43100 61.0 57.2 78.7

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

GRAIN SIZE ASTM E112-96  
 GRAIN SIZE Etchant Magnification X  
 7 Oxalic 100

ASTMA 262-02a PR E(A Utilized)  
 OXALIC Etchant Magnification X  
 OK Oxalic 500

ASTM A 262-02 (Prac E)  
 BEND TEST  
 OK

Heated to 1900F min. and water quenched (heating time & temp appropriate for optimum quality).  
 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.  
 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 9001:2000. 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 *Dennis Hacken*  
 Dennis Hacken

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