

Material Test Report

Heat Code: A-3392

An Ameri-Forge Group Company 13770 Industrial Rd. Houston, TX 77015 Sales: (713) 868-4421 Fax: (713) 455-8366

ISO 9001:2008 Certified

PLESA ANAHUAC Y CIAS
SA DE CV AV. VALLE DE LAS
ALAMEDAS 66-0
54940 TULTITLAN, EDO, MEX

 PO:
 9545
 Sales Order:
 90421
 Line:
 10

 Item Code:
 0151916102-0020F
 Qty Shipped:
 5

 Item Desc:
 FLG 16.00 0150 WN RF XH

 Supplier:
 MF RINGS
 Supplier Heat:
 A-3392

Spec: ASTM A105/A105M-(10)/ASME SA 105/SA 105M-(08a) Section II Part A

			EPCR	A CAS#		nent	(%wt)	Ladie	Product	EPCRA	CAS#
С	Carbon	0.20			Cr	Chromiu	m	0.02		V 70	140-47-3
Mn	Manganese	0.88	✓	7439-96-5	Mo	Molybde	num	0.01			
P	Phosphorous	0.024			V	Vanadiu	m	0.008			
S	Sulphur	0.010			ĊЪ	Columbi	um	0.005			
Si	Silicon	0.22			C.E.			0.37			
Cu	Copper	0.01	✓	7440-50-8	CuNi	CrMo		0.048			
Ni	Nickel	0.01	✓	7440-02-0	CrMc)		0.025			

Mechanical T	esting
Test Lab	MF RINGS
Test Bar Size	SACRIFICIAL PIECE
HBW	156 - 156
Elg (%)	28.6
RA (%)	56.5
Tensile Specimen Size (in)	0.498
Tensile (ksi)	75.1
Yield (ksi)	46.B
Gauge Length	2
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No Weld repair performed. Chemical Analysis results shown are actual. Forgings are capable of passing hydrostatic test compatible with the appropriate rating. Elongation taken from a round specimen. All material supplied under this order is certified to be free of mercury contamination and no mercury bearing equipment was used in manufacturing, fabrication or testing. Yield strength was determined using the 0.2% offset method. No weld repair performed on this product.

Product compliant with and meets all requirements of ASTM Al05 and with dimensions to ASME B16.5 Product compliant with NACE MR0175, latest edition

EPCRA Supplier Notification: This product may contain one or more toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (Title III of the Superfund Amendments and Reauthorization Act of 1986) and 40 C.F.R. Parl 372. Potentially reportable chemicals are indicated with a checkmark in the "EPCRA" column and a Chemical Abstract Services (CAS) registry number is provided for each such chemical in addition to the percent by weight of the chemical present in this product. It is your responsibility alone to determine whether your facility is required to submit a Toxic Release Inventory Report under EPCRA Section 313.

Certification No.:

196500

Certification Date:

12/16/2010

This report is issued in compliance with the requirements of EN10204 3.1 / ISO 10474 3.1.b

Nicholas Tepovich - Metallurgic Lab Manager

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