

Material Test Report

Heat Code: 2804430

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

ISO 9001:2000 Certified

PLESA ANAHUAC Y CIAS SA DE CV AV. VALLE DE LAS

Item Code: 0151916101-0020F

Sales Order: 75369 Line: 8

ALAMEDAS 66-0

Item Desc: FLG 16.00 0150 WN RF STD

Qty Shipped: 11

54940 TULTITLAN, EDO, MEX

Supplier: MF RINGS

Supplier Heat: 2804430

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

PO: 8379

Elen	nent (%wt)	Ladle	Product	EPCRA CAS#	Element (%wt)	Ladle	Product	EPCRA CAS#
С	Carbon	0.22			Cr Chromium	0.005		√ 7440-47-3
Mn	Manganese	0.84		√ 7439-96-5	Mo Molybdenum	0.002		
P	Phosphorous	0.015			V Vanadium	0.001		
S	Sulphur	0.019			Cb Columbium	0.005		
Si	Silicon	0.25			C.E.	0.36		
Cu	Copper	0.01		√ 7440-50-8	CuNiCrMo	0.018		
Ni	Nickel	0.005		√ 7440-02-0	CrMo	0.007		
					:			

Mechanical To	esting	C	ther	
Test Lab	MF RINGS	Country of Origin	INDIA	
Test Bar Size	SACRIFICIAL PIECE	Fully Killed	Y	
HBW	159 - 159			
Elg (%)	31.6			
RA (%)	61.5			
Tensile Specimen Size (in)	0.498			
Tensile (ksi)	75.8			
Yield (ksi)	46.9			
Gauge Length	2			
		:		

Product compliant with NACE MR0175, latest edition and dimensions to ASME B16.5 Product compliant with and meets all requirements of ASTM A105/ASME SA105, latest edition. 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 NACE MR0103, 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. Part 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.:

184960

Certification Date:

6/24/2010

Nicholas Tepovich - Metallurgic Lab Manager

Vielder Lepare