

ALAMEDAS 66-0

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS

Material Test Report

Heat Code: A-3219

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

Line: 4

ISO 9001:2008 Certified

PO: 10589 Sales Order: 95732 item Code: 0303924100-CG21F Qty Shipped: 2

Item Desc: FLG 24.00 0300 BL RF

54940 TULTITLAN, EDO, MEX Supplier: CHAUDHRY Supplier Heat: A-3219

Spec: ASTM A105/A105N-(10)/ASME SA 105/SA 105N-(08a) Section II Part A - Normalized

Element (%wt		(%wt)	Ladle	Product	EPCR	A CAS#	Element (%w		(%wt)	Ladle	Product	EPCR	A CAS#
С	Carbon		0.19				Ni	Nickel		0.06		7	7440-02-0
Mn	Mangan	ese	0.88		~	7439-96-5	Cr	Chromi	um	0.10		✓	7440-47-3
P	Phosph	orous	0.026				Mo	Molybd	enum	0.010			
S	Sulphu	r	0.013				v	Vanadi	ıım	0.000			
Si	Silico	n	0.250				СЪ	Columb	ium	0.000			
Cu	Copper		0.03		✓	7440-50-8	C.E.			0.36			

Test Lab CHAUDHR Test Bar Size SACRIFI HBW 146 - 1 Elg (%) 34.0 RA (%) 63.0 Tensile Specimen Size (in) 0.498 Tensile (ksi) 72.4 Yield (ksi) 43.2 Gauge Length 2	CIAL PIECE No .49 No	rm. Temp. (F) rm. (Hrs) rm. Cooling Typ rm. Location	oe Other	1652 3 AIR CHAUDHRY Y
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field (ksi) 43.2	•			_
	EF			Y
Gauge Length 2				
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Product compliant with NACE MR0175 and NACE MR0103 latest edition and dimensions to ANSI B16.5. 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 welding performed.

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.:

209231

Certification Date:

5/26/2011

Nicholas Tepovich - Metallurgic Lab Manager