

## **Material Test Report**

Heat Code: SMD

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

ISO 9001:2008 Certified

Line: 1 Sales Order: 103150

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

Item Code: 0601200102-0021F

Qty Shipped: 50

ALAMEDAS 66-0

Item Desc: FLG 02.00 0600 WN RF XH

Supplier Heat: 3027619

54940 TULTITLAN, EDO, MEX

Supplier: CMC

PO: 11762

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

Elem	ent (%wt)	Ladle	Product	EPCR/	A CAS#	Elemen	t (%wt)	Ladle	Product	EPCRA	CAS#
	Carbon	0.20				Ni Ni	ickel	0.08		✓	7440-02-0
	Manganese	1.01		1	7439-96-5	Cr ch	romium	0.07		✓	7440-47-3
P	Phosphorous	0.005				Mo Mo	olybdenum	0.022			
	Sulphur	0.017				V Va	anadium	0.004			
	Silicon	0.23				Cb co	olumbium	0.001			
	Copper	0.22		1	7440-50-8	C.E.		0.40			
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Mechanical Testing           Test Lab         AFG         Norm. Te           Test Bar Size         Sacrificial Piece         Norm. (H           HBW         143 - 143         Norm. Co           Elg (%)         35         Norm. Lo           RA (%)         63         Tensile Specimen Size (in)         .250           Tensile (ksi)         74.9         MILL           Yield (ksi)         45.9         MHC           Gauge Length         1         HC	s) 4 Dling Type AIR
Test Bar Size Sacrificial Piece Norm. (H HBW 143 - 143 Norm. Co Elg (%) 35 Norm. Lo RA (%) 63 Tensile Specimen Size (in) .250 Tensile (ksi) 74.9 MILL Yield (ksi) 45.9 MHC	Oling Type AIR eation AFG  Other  CMC-TEXAS
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Yield (ksi) 45.9 MHC	3027619
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Product compliant with NACE MR0175 / ISO 15156 and NACE MR0103 latest edition and dimensions to ANSI B16.5 -2009

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.:

228546

Certification Date:

1/25/2012

Nicholas Tepovich - Metallurgic Lab Manager

Violadas Lepare

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