Coffer®

Material Test Report

Heat Code: GHN

An Ameri-Forge Group Company 13770 Industrial Rd., Houston, TX 77015

ISO 9001:2000 Certified

Sales: (713) 868-4421 Fax: (713) 455-8366

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

Item Code: 0601400102-0021F

Sales Order: 67635 Line: 20

NRM COFFR

ALAMEDAS 66-0

Item Desc: FLG 04.00 0600 WN RF XH

Qty Shipped: 25

54940 TULTITLAN, EDO MEX

Supplier: CMC

PO: 5526

Supplier Heat: 3006224

Spec: ASTM A 105/A 105M~(05)/ASME SA 105/SA 105M~(08a) Section II Part A - Normalized

Elen	nent	(%wt)	Ladle	Product	EPCR	A CAS#	Elen	ent	(%wt)	Ladle	Product	EPCR	A CAS#
С	Carbon)	0.19			,	Ni	Nickel		0.07		1	7440-02-0
Mn	Mangar	nese	0.88		✓	7439-96-5	Cr	Chromin	ım	0.07		✓	7440-47-3
P	Phospi	orous	0.007				Мо	Molybde	enum	0.018			
S	Sulphu	ır	0.016				v	Vanadi	ım	0.002			
Si	Silico	on.	0.160				Cb	Columbi	Lum	0.001			
Cu	Copper	•	0.21		1	7440-50-8	C.E.			0.37			
							•						
							•						

Mechanic	al	Heat Treat				
Test Lab	AFG	Norm. Temp. (F)	1675			
Test Bar Size	SACRIFICIAL PIECE	Norm. (Hrs)	4.0			
HBW	143-143	Norm. Cooling Type	AIR			
Elg (%)	30.0	Norm. Location	AFG			
RA (%)	47.0					
Tensile Specimen Size (in)	0.498	Other				
Tensile (ksi)	71.9	EF	Y			
Yield (ksi)	42.4					
Gauge Length	2.00					
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		:				

Product compliant with NACE MR0175, 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.

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.:

155537

Certification Date:

12/10/2008

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