

Element

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS

Ladle

Material Test Report

Heat Code: JPZ

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

Product

EPCRA CAS#

ISO 9001:2008 Certified

Sales Order: 95732 Line: 5 PO: 10589

Qty Shipped: 20 Item Code: 0603200100-0021F

(%wt)

Ladle

Item Desc: FLG 02.00 0600 BL RF ALAMEDAS 66-0

EPCRA

Supplier Heat: 3023871 54940 TULTITLAN, EDO, Supplier: CMC

CAS#

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

Element

-101	(70771)	24010	7,00001 0,010 0,100			/
Ç	Carbon	0.18		Ni Nickel	0.08	√ 7440-02-0 √ 5440-02-0
Mn	Manganese	1.13	√ 7439-96-5	Cr Chromium	0.13	✓ 7440-47-3
P	Phosphorous	0.011		Mo Molybdenum	0.023	
s	Sulphur-	0.024		V Vanadium -	0.008	
Si	Silicon	0.22		Cb Columbium	0.001	
Cu	Copper	0.23	✓ 7440-50-8	C.E.	0.41	
Mechanical Testing					Heat Treat	
Tes	t Lab		AFG	Norm. Temp. (F)		1675
Tes	t Bar Size	•	Sacrificial Piece	Norm. (Hrs)		4
HBW			159 - 159	Norm. Cooling Type		AIR
Elg	(%)		32	Norm. Location		AFG
RA	(%)		61			
Tensile Specimen Size (in) .250				•	Other	
Tensile (ksi)			80.8	MILL		CMC-TEXAS
Yie	ld (ksi)		49.1	мнс		3023871
Gau	ge Length		1			
1				•		
1						
				•		
1						
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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.:

211584

Certification Date:

6/24/2011

Nicholas Tepovich - Metallurgic Lab Manager

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