

Element	(%wt)	Ladle	Product	EPCRA	CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
C	Carbon	0.19				Cr	Chromium	0.11		✓	7440-47-3
Mn	Manganese	0.89		✓	7439-96-5	Mo	Molybdenum	0.02			
P	Phosphorous	0.007				V	Vanadium	0.002			
S	Sulphur	0.014				Cb	Columbium	0.001			
Si	Silicon	0.23				C.E.		0.38			
Cu	Copper	0.18		✓	7440-50-8	CuNiCrMo		0.38			
Ni	Nickel	0.07		✓	7440-02-0	CrMo		0.13			

Mechanical Testing			Other		
Test Lab	AFG		MILL	CMC-TEXAS	
Test Bar Size	Test Piece		MHC	3012991	
HBW	163 - 163				
Elg (%)	31				
RA (%)	65				
Tensile Specimen Size (in)	.250				
Tensile (ksi)	80.3				
Yield (ksi)	47.1				
Gauge Length	1				

INDUSTRIAS ANAHUAC Y CIAS. S.A. DE C.V.

CONTROL DE CALIDAD

29 Ene 2010

MECHA 0000250

Franco 2012

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.

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.: 176989
 Certification Date: 1/22/2010

Nicholas Tepovich

 Nicholas Tepovich - Metallurgic Lab Manager