



Material Test Report

Heat Code: ZXZ

An Amerl-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 ALAMEDAS 66-0 54940 TULTITLAN, EDO MEX	PO: 4077	Sales Order: 63343	Line: 3
	Item Code: 0151800101-0020F		Qty Shipped: 50
	Item Desc: FLG 08.00 0150 WN RF STD A105 NHT COFFR		
	Supplier: CMC		Supplier Heat: 261985
Spec: ASTM A 105/A 105M-03/ASME SA 105/SA 105M-04, Melt Practice EF			

Element	(%wt)	Ladle	Product	EPCRA	CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
C	Carbon	0.19				Cr	Chromium	0.09			✓ 7440-47-3
Mn	Manganese	0.87		✓	7439-96-5	Mo	Molybdenum	0.028			
P	Phosphorous	0.007				V	Vanadium	0.001			
S	Sulphur	0.023				Cb	Columbium	0.002			
Si	Silicon	0.20				C.E.		0.381			
Cu	Copper	0.25		✓	7440-50-8	CuNiCrMo		0.46			
Ni	Nickel	0.09		✓	7440-02-0	CrMo		0.12			

Mechanical				Other			
Test Lab		AFG		Country of Origin		USA (US)	
Test Bar Size		SACRIFICIAL PIECE		EF		Y	
HBW		149-149					
Elg (%)		32.0					
RA (%)		62.0					
Tensile Specimen Size (in)		0.246					
Tensile (ksi)		73.2					
Yield (ksi)		40.4					
Gauge Length		1.00					