

# CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

**ST&H CORPORATION**  
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Certificate No. MJW8847 Date : MAR. 12. 2015  
 Customer PLESA ANAHUAC Y CIAS., S.A. DE C.V.  
 Contract No. 20100  
 Spec. For Material ASTM/ASME A/SA105-11a. NACE MR0175/ISO 15156-2009  
 Heat Treatment AS FORGED

Certified to ISO9001:2008, ISO14001:2004, PED97/23/EC by LRQA


Dimensional inspection ASME B16.5 - 2013

ITEM / SIZE	Q'ty	Heat No./ Batch No.	Size of Test Specimen		Tension Test				Hardness		Charpy Impact Test (10X10mm Specimen Size)			
			D	GL	Y.S MPa	T.S MPa	E.L %	R.A %	Test (HB)	187	Indiv.	Ave.	Notch	Temp.
			mm	mm										
AA300BR6	300LBS BL RF 6"	20	14T9722	12.5	50.0	303	499	38	70	142	148	Test Result (J)		Ave.(J)
AA300WR806	300LBS WN RF S80 6"	45	14T9722	12.5	50.0	303	499	38	70	142	148			
AA300WR806	300LBS WN RF S80 6"	15	14T9722	12.5	50.0	303	499	38	70	142	148			
AA150SR5	150LBS SO RF 5"	50	14T9722	12.5	50.0	303	499	38	70	142	148			
AA300BR4	300LBS BL RF 4"	20	14T9722	12.5	50.0	303	499	38	70	142	148			
AA150WR804	150LBS WN RF S80 4"	100	14T9722	12.5	50.0	303	499	38	70	142	148			
AA300WR804	300LBS WN RF S80 4"	20	14T9722	12.5	50.0	303	499	38	70	142	148			
AA300BR3	300LBS BL RF 3"	20	14T9722	12.5	50.0	303	499	38	70	142	148			
AA300SR3	300LBS SO RF 3"	100	14T9722	12.5	50.0	303	499	38	70	142	148			
AA150WR803	150LBS WN RF S80 3"	100	14T9722	12.5	50.0	303	499	38	70	142	148			

Heat No./ Batch No.	Max Min	Chemical Composition (%)										NDE								
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	CE	UT	MT	PT					
14T9722		0.182	0.256	0.930	0.017	0.008	0.010	0.030	0.002	0.011	0.005						0.345			
BLANK																				

REMARK

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for by the above order.

  
 Witnessed by / H. J. LEE

  
 Manager of Q.A Dept. / J. W. PARK