

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)



ST&H CORPORATION

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Certificate No. MES9031 Date : JUL. 06. 2015
 Customer PLESA ANAHUAC Y CIAS.. S.A. DE C.V.
 Contract No. 21136
 Spec. For Material ASTM A105-14/ASME SA105-13/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 Test (HB)		Charpy Impact Test (10X10mm Specimen Size)			
			D	GL	Y.S MPa	T.S MPa	E.L %	R.A %	187	Indiv.	Ave.	Notch	Temp.	
			mm	mm										Max
AA150WRSTD16 150LBS WN RF STD 16"	20	B3497	12.5	50.0	355	520	36	70.5	147	150				
AA150WR4016 150LBS WN RF S40 16"	10	B3497	12.5	50.0	355	520	36	70.5	147	150				
AA150WRSTD2 150LBS WN RF STD 2"	100	B3497	12.5	50.0	355	520	36	70.5	147	150				
AA150WRSTD8 150LBS WN RF STD 8"	100	B3497	12.5	50.0	355	520	36	70.5	147	150				
AA150WR8020 150LBS WN RF S80 20"	3	B3497	12.5	50.0	355	520	36	70.5	147	150				
AA300WRSTD6 300LBS WN RF STD 6" BLANK	10	B3497	12.5	50.0	355	520	36	70.5	147	150				
		BLANK												

Heat No./ Batch No.	Max Min	Chemical Composition (%)											CE	NDE								
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V					UT	MT	PT				
B3497		0.191	0.232	0.937	0.019	0.005	0.007	0.116	0.010	0.003	0.005								0.374			

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. / E. S. PARK