

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

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RPS 050308 / 01

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 Test		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											
AA300WR803	300LBS WN RF S80 3"	20	14T9722	12.5	50.0	303	499	38	70	142	148	Test Result (J)			Ave.(J)
AA150SR14	150LBS SO RF 14"	10	14T9739	12.5	50.0	299	513	34	69	142	147				
AA150WRSTD12	150LBS WN RF STD 12"	20	14T9739	12.5	50.0	299	513	34	69	142	147				
AA150WR4012	150LBS WN RF S40 12"	50	14T9739	12.5	50.0	299	513	34	69	142	147				
AA150WRSTD10	150LBS WN RF STD 10"	50	14T9723	12.5	50.0	318	539	35	74	142	147				
AA150WR8010	150LBS WN RF S80 10"	10	14T9723	12.5	50.0	318	539	35	74	142	147				
AA150WR808	150LBS WN RF S80 8"	50	14T9723	12.5	50.0	318	539	35	74	142	147				
AA150WR806	150LBS WN RF S80 6"	200	14T9723	12.5	50.0	318	539	35	74	142	147				
AA150WRSTD4	150LBS WN RF STD 4"	200	14T9723	12.5	50.0	318	539	35	74	142	147				
AA150WRSTD3	150LBS WN RF STD 3"	200	14T9723	12.5	50.0	318	539	35	74	142	147				

Heat No./ Batch No.	Max Min	Chemical Composition (%)										NDE					
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	CE	UT	MT	PT		
		0.350	0.350	1.050	0.035	0.040	0.400	0.300	0.120	0.400	0.080						
14T9722		0.182	0.256	0.930	0.017	0.008	0.010	0.030	0.002	0.011	0.005				0.345		
14T9739		0.198	0.216	0.880	0.023	0.006	0.010	0.036	0.002	0.012	0.004				0.354		
14T9723		0.171	0.260	0.890	0.018	0.006	0.008	0.031	0.002	0.011	0.005				0.328		
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.

[Handwritten Signature]

Witnessed by / H. J. LEE



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