



GOOD LUCK ENGINEERING CO.
 (UNIT OF GOODLUCK STEEL TUBES LTD.)
 KHASRA NO.2839,DHOOM MANIKPUR,DADRI (GAUTAM BUDDH NAGAR-203206)
 U.P. INDIA

AN ISO 9001-2000
 CERTIFIED CO.

TEST CERTIFICATE

PURCHASER'S NAME ALLIED FFG.L.P. (HOUSTON) 7200,MYKAWA ROAD HOUSTON TX 77033 U.S.A.	T.C. NO. GLE/EXP/TC/93/08-09	DATE:	26.09.2008
	P.O. NO. 62408GL	DATE:	24-06-2008
	INVOICE NO.- GLE/2008-2009/14	DATE:	26.09.2008

ITEM DESCRIPTION (SIZE-TYPE-FACING - RATING - SCHEDULE)	QUANTITY NOS	MATERIAL	DIMENSION
30" - 150 # RF WN XH MSS ✓	18 NOS ✓	ASTM A105 / ASME SA105 ASME Sec-II,PART-A 2007 ADDENDA-NIL	B16.47 MSS-SP44 SERIES -A

CHEMICAL ANALYSIS (CE = 0.37)

HEAT NO.	SUPPLIER'S HEAT NO.	C%	Mn%	P%	S%	Si%	Cu%	Ni%	Cr%	Mo%	V%	Co%
GL-234 ✓	3801474	0.213	0.828	0.0285	0.0313	0.261	0.051	0.038	0.050	0.017	0.002	0.001

PHYSICAL / MECHANICAL PROPERTIES

HEAT NO.	SUPPLIER'S HEAT NO.	UTS N./mm2	YEILD N/mm2 STRESS	ELONGATION% (5.65)	R.A. %	HARDNESS (BHN)	HEAT TREATMENT
GL-234	3801474	616.76	407.26	24.8	64.00	163	AS FORGED

Product compliant with NACE MR0175

FOR GOOD LUCK ENGINEERING CO.
 AUTHORIZED SIGNATURE (DRYU Q.E. Dept.)



ALLIED FITTING
 TRUE COPY OF
 ORIGINAL MTR
 SIGN *[Signature]*