



**EN CORPORATION**

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MILL TEST REPORT	
PURCHASER :	DATE : 2014/10/18
	P. O. NO.: 139914
	S/C NO.: O186TX

PROJECT : STAINLESS STEEL FORGED FLANGE RF			
HEAT NO.	QTY.	DESIGNATION	SPECIFICATION
EL143	7	50 304L 304 1-1/2" 300LB	ASME B16.5-2013/MSS SP25-1998

CHEMICAL ANALYSIS OF MATERIAL

HEAT NO.	C	Mn	Si	P	S	Cr	Ni	Mo	N	SPECIFICATION
Min	0.030	2.00	1.00	0.045	0.030	18.0 - 19.0	10.0 - 14.0	2.0 - 3.0	0.150	ASTM A58102-2013
EL143 ✓	0.024	1.18	0.40	0.038	0.004	18.16	10.07	-	0.032	

MECHANICAL CHARACTERISTICS

HEAT NO.	T.S-PSI	Y.S-PSI	%-EL.	%-R.A.	HEAT TREAT.	HARDNESS	DIMENSION	P.M.L.
Min	75,000	30,000	30	50	1040 - 1150 °C	≤90.0 HRB		
EL143	79,500	50,800	81	77	1050 °C	77.0 HRB	OK	OK

MATERIAL RESISTANT TO INTERCRYSTALLINE CORROSION (ICCT) TEST ACCORDING TO ASTM A262-10. PRODUCT IS MANUFACTURED HERETOBY TIME AND PLACE FROM THE FACTORY OF THE COMPANY AND RADIATION FREE. MATERIAL IS IN ACCORDANCE WITH NACE MR0175-ISO 15156-2 EDITION 1999 (2007), ISO 15156-2:2003, ISO 15156-2:2003 (2007) AND EN 10228-2:2005-1. MATERIAL RECEIVED IN THE TREAT & MATHS QUENCHED AT 1050 DEGREE C. MATERIAL IS MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH ASTM A182-13 AND ASTM A182-13 AND HAS BEEN FOUND TO MEET THE REQUIREMENTS. MATERIAL IS FREE OF WELD REPAIR.

COUNTRY OF ORIGIN: PHILIPPINES



FACTORY INSPECTOR:  
  
 DAVID WANG  
 QUALITY ASSURANCE DEPARTMENT