

# MILL TEST & INSPECTION CERTIFICATE

ACCORDING TO EN 10204 :2004 3.1

CUSTOMER

CERT. NO : 113272      L/C NO :  
 ORDER NO : 9006-L4309      DATE : 09/29/2011  
 INVOICE NO : BW0110004091A      PAGE : 5      ORIGIN :

ITEM	BW HT. CD.	RAW MATERIAL HEAT NO.	DESCRIPTION	QUANTITY	SPECIFICATION FOR		INSPECTION												
					MATERIAL	FITTING	SURFACE	DIM.											
0120	T2084	3K974	HEX BUSHING 3/8"x1/4" NPT	100 PC	ASTM A162 -07 ASME SA182 -08 F316 / 316L	ASME F16.11 - 2009	GOOD	GOOD											
0121	T2130	9SE0029	HEX BUSHING 1/2"x1/4" NPT	400 PC															
0122	T2127	FS-9676	HEX BUSHING 1"x1/2" NPT	300 PC															
0123	T2119	9SE0034	HEX BUSHING 1-1/2"x1/2" NPT	50 PC															
0129	T2108	FS-9510	FULL CPLG 2" 3000# NPT	60 PC															
ITEM	BW HT. CD.	CHEMICAL COMPOSITION (%)														MATERIAL SUPPLIER			
		C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Co(Nb)	N	Al	Ti		Zr	CE	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		Min	Max	Min
0120	T2084	0.019	0.391	1.619	0.027	0.029	-	16.80	10.03	2.012	-	-	0.058						
0121	T2130	0.026	0.400	1.600	0.026	0.024	-	17.20	10.46	2.020	-	-	0.070						
0122	T2127	0.027	0.310	1.400	0.039	0.016	-	16.41	10.05	2.060	-	-	0.058						
0123	T2119	0.025	0.390	1.580	0.024	0.024	-	17.15	10.53	2.040	-	-	0.070						
0129	T2108	0.029	0.370	1.410	0.040	0.018	-	16.50	10.05	2.070	-	-	0.053						
ITEM	BW HT. CD.	MECHANICAL PROPERTIES						HEAT TREATMENT	ADDITIONAL TEST/REMARKS										
		T. S. (KSI)	Y. S. (KSI)	EL. (%)	R of A (%)	Hardness (HB)(AVG)	Charpy Impact F / °C												
		75.0	30.0	30.0	50.0	235	1 2 3 AVG.												
0120	T2084	80.0	34.2	60.0	73.3	156		STEEL MAKING PROCESS : ELECTRIC FURNACE CONFORMS TO NACE MR0175-09/MR0103-10 MERCURY FREE SOLUTION 1060°C W. I.											
0121	T2130	81.0	39.9	60.8	73.3	163													
0122	T2127	76.9	37.6	67.0	76.5	159													
0123	T2119	83.1	41.2	61.0	73.7	163													
0129	T2108	79.3	38.1	63.2	77.3	156													
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE TERMS OF THE ORDER CONTRACT.								C.C. Huang      Y.Y. Chang O.C. MANAGER      INSPECTOR											