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 CUSTOMER :BROWNSVILLE

# INSPECTION CERTIFICATE

(EN 10204:2004 3.1)

ST&H CORPORATION  
 1290-4 Jwa3dong, Haeundaegu, Busan, Korea  
 Tel : 82.51.7444680 (5 line) Fax : 82.51.7444670

발주번호 P/O NO.			원재료 RAW MATERIAL										성적서번호 CERTIFICATE NO									
BSC 2011-232(PSJ6425)			MADE FROM SEAMLESS PIPE										QA110808-02									
재료규격 Spec. for Material			검사규격 Spec. for Inspection				외관및치수검사 Surface & Dimension				비파괴검사 N.D.E		열처리 HEAT TREATMENT									
ASTM A234-07/ASME SA234-07 WPB NACE MR-0175			ASME B16.9				GOOD				MT:GOOD		620°C ~ 980°C									
STD	수량	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)											인 장 시 험 Tensile Test		굴곡시험 Bending Test	평판시험 Flattening Test	경도시험 Hardness Test(HB)	충격시험 Impact Test	수압시험 Hydrostatic Test	C.E	
			C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Nb	N	Y-P MPA	T-S MPA	EL (%)	RA (%)	( )			
SPEC	MIN		0.10	0.29										240	415	22						
	Q'TY	MAX	0.30		1.06	0.05	0.058	0.40	0.15	0.40	0.40	0.08			655					197		
LR 90D ELBOW XH			0.19	0.21	0.52	0.01	0.009	0.03	0.005	0.01	0.011	0.01		315	515	31				<197		0.29
1"	100	00628K																				
LR 90D ELBOW XH			0.19	0.21	0.52	0.009	0.01	0.02	0.01	0.02	0.05	0.01		255	465	33				<197		0.29
10"	5	03459																				
LR 90D ELBOW XH			0.21	0.22	0.52	0.01	0.001	0.04	0.001	0.02	0.1	0.01		360	520	31				<197		0.31
1 1/2"	100	00937E																				
LR 90D ELBOW XH			0.17	0.22	0.51	0.013	0.009	0.01	0.01	0.011	0.012	0.01		320	500	32				<197		0.26
2 1/2"	50	01365A																				
LR 90D ELBOW XH			0.2	0.21	0.52	0.01	0.006	0.06	0.002	0.03	0.05	0.01		325	505	32				<197		0.31
3/4"	50	00521																				

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.

1MPa = 145.037 psi  
 1MPa = 0.145037 ksi  
 1psi = 0.00689 MPa  
 1ksi = 6.89476 MPa

QUALITY INSPECTED AND SUPPLY BY ST&H CORP  
 MANUFACTURED BY PUSAN COUPLING CO.LTD

C.E. = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

품질보증부  
 QUALITY ASSURANCE DEP'T  
 (株) 釜山 카프링  
 釜山 釜發

B.J. KIM / Q.A -GENERAL MANAGER