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 CUSTOMER : BROWNSVILLE

INSPECTION CERTIFICATE

(EN 10204:2004 3.1)

ST&H CORPORATION
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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℃ ~ 980℃									
STD	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	수량 Q'TY	MIN	0.10	0.29										240	415	22							
	MAX	0.30		1.06	0.05	0.058	0.40	0.15	0.40	0.40	0.08			655					197				
LR 45D ELBOW STD			0.18	0.22	0.51	0.013	0.009	0.01	0.01	0.011	0.012	0.01	320	500	32					<197			0.27
4"	2	R002002																					
LR 45D ELBOW STD			0.19	0.24	0.53	0.012	0.009	0.014	0.006	0.014	0.03	0.01	315	505	31					<197			0.29
6"	300	02575J																					
LR 45D ELBOW STD			0.19	0.21	0.51	0.012	0.007	0.014	0.009	0.01	0.015	0.01	315	500	31					<197			0.28
8"	150	03127R																					
LR 45D ELBOW XH			0.19	0.23	0.51	0.009	0.003	0.04	0.004	0.03	0.04	0.01	315	515	30					<197			0.29
3/4"	50	00523																					
LR 90D ELBOW SCH160			0.18	0.23	0.53	0.013	0.007	0.015	0.007	0.013	0.05	0.01	310	495	32					<197			0.28
2"	50	01443K																					

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