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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 90D ELBOW SCH80			0.19	0.21	0.52	0.013	0.008	0.016	0.007	0.012	0.04	0.01			315	495	31												0.29
10"	20	03462																											
LR 90D ELBOW SCH80			0.19	0.2	0.51	0.01	0.008	0.025	0.005	0.04	0.1	0.01			310	500	31												0.29
3"	100	01591A																											
LR 90D ELBOW STD			0.21	0.25	0.53	0.017	0.008	0.03	0.004	0.04	0.04	0.01			310	510	30												0.31
1"	300	00627E																											
LR 90D ELBOW STD			0.19	0.23	0.53	0.01	0.009	0.011	0.009	0.01	0.012	0.01			320	510	31												0.29
10"	100	J03126																											
LR 90D ELBOW STD			0.18	0.22	0.53	0.012	0.007	0.014	0.009	0.014	0.011	0.01			315	500	31												0.28
1 1/2"	200	00657E																											

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

품질보증부
 QUALITY ASSURANCE DEP'T

(株) 釜山 카프링
 釜山 佐發

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

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