

DATE OF ISSUE : AUG.08.2011
 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	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								
	MAX	0.30		1.06	0.05	0.058	0.40	0.15	0.40	0.40	0.08					655								197			
LR 90D ELBOW STD			0.2	0.23	0.51	0.012	0.009	0.014	0.006	0.014	0.03	0.01				315	505	31									0.29
1 1/4"	200	00749E																									
LR 90D ELBOW STD			0.21	0.21	0.51	0.009	0.01	0.01	0.001	0.01	0.01	0.01				285	495	31									0.30
12"	30	V03461																									
LR 90D ELBOW STD			0.19	0.21	0.52	0.009	0.01	0.01	0.001	0.01	0.02	0.01				290	490	30									0.28
14"	10	03671																									
LR 90D ELBOW STD			0.21	0.23	0.52	0.015	0.009	0.04	0.005	0.03	0.04	0.01				320	505	31									0.31
2"	400	01187E																									
LR 90D ELBOW STD			0.19	0.23	0.51	0.012	0.009	0.01	0.006	0.013	0.01	0.01				310	500	31									0.28
2 1/2"	150	01364J																									

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 佐發

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