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 CUSTOMER :Brownsville Steel City LLC

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 2010-225 (PSJ6054)			MADE FROM SEAMLESS PIPE											QA110126-01									
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		굽곡시험 Bending	평판시험 Flattening	경도시험 Hardness	충격시험 Impact	수압시험 Hydrost- atic	C.E	
		C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Nb	N	Y-P MPA	T-S MPA	EL (%)	RA (%)	Test ()	Test	Test(HB)	Test		Test
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 STD			0.2	0.25	0.49	0.009	0.006	0.03	0.003	0.01	0.03	0.01		315	515	32							0.29
8"	50	03417J																		<197			
SR 90D ELBOW SCH80			0.21	0.26	0.59	0.017	0.022	0.04	0.01	0.007	0.16	0.01		320	490	30							0.33
2"	30	01184																		<197			
SR 90D ELBOW SCH80			0.2	0.21	0.52	0.01	0.004	0.025	0.004	0.04	0.05	0.01		305	495	31							0.30
3"	50	01591																		<197			
SR 90D ELBOW STD			0.19	0.24	0.43	0.012	0.023	0.038	0.01	0.02	0.01	0.01		255	470	30							0.28
2"	50	01181																		<197			
SR 90D ELBOW STD			0.21	0.21	0.52	0.008	0.009	0.05	0.003	0.01	0.03	0.01		315	515	32							0.31
3"	100	01588A																		<197			

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

품 질 보 증 부
 QUALITY ASSURANCE DEP'T

(株) 釜山 카프링
 釜山 釜發

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

양식번호 : QMS-8102-11

PUSAN COUPLING CO.,LTD