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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	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	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 (%)	()	()	(HB)	()		()	
SPEC	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			
SR 90D ELBOW STD			0.19	0.22	0.51	0.01	0.007	0.05	0.004	0.03	0.05	0.01			310	500	32								0.29
4"	100	02185A																							
SR 90D ELBOW STD			0.19	0.2	0.51	0.01	0.006	0.025	0.01	0.01	0.03	0.01			305	495	31								0.29
6"	100	02565A																							
SR 90D ELBOW STD			0.2	0.18	0.54	0.008	0.005	0.03	0.01	0.008	0.05	0.01			340	490	32								0.30
8"	50	03417																							
LR 90D ELBOW STD			0.23	0.19	0.5	0.019	0.005	0.02	0.01	0.018	0.019	0.01			285	470	27								0.32
6"	8	6897																							
LR 90D ELBOW STD			0.18	0.2	0.51	0.019	0.026	0.02	0.01	0.02	0.018	0.01			305	490	31								0.28
8"	31	6259																							

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
 株式会社 釜山

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

양식번호 : QMS-8102-11

PUSAN COUPLING CO.,LTD