

DATE OF ISSUE : JUL.24.2010
 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 2010-222 (PSJ5724)			MADE FROM SEAMLESS PIPE											QA100724-02									
재료규격 Spec. for Material			검사규격 Spec. for Inspection				외관및치수검사 Surface & Dimension				비파괴검사 N.D.E			열처리 HEAT TREATMENT									
ASTM A234-05/ASME SA234-05 WPB NACE MR-0175			ASME B16.9				GOOD				MT:GOOD			NORMALIZED (850℃X0.5HR)									
STD	수량	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)													인 장 시 험 Tensile Test		굽곡시험 Bending	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 (%)	Test ()				
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		
TEE STD			0.19	0.22	0.53	0.009	0.008	0.03	0.007	0.01	0.03	0.01			315	515	30						0.29
2 1/2"	20	01725																					
TEE XH			0.18	0.25	0.55	0.01	0.01	0.04	0.01	0.04	0.17	0.01			355	490	35						0.30
1/2"	10	00502																					
TEE XH			0.2	0.26	0.51	0.014	0.009	0.04	0.01	0.05	0.16	0.01			310	460	31						0.31
3/4"	10	00016																					
TEE XH			0.21	0.33	0.57	0.009	0.017	0.04	0.01	0.01	0.02	0.01			290	485	33						0.32
1"	5	00036																					
TEE XH			0.18	0.25	0.46	0.015	0.013	0.02	0.01	0.01	0.01	0.01			330	490	31						0.27
1 1/4"	5	01005																					

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

품 질 보 증 부
 QUALITY ASSURANCE DEP'T

(株) 釜 山 카 프 링
 釜 山 依 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

양식번호 : QMS-8102-11

PUSAN COUPLING CO.,LTD