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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 2010-222 (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	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)												인 장 시 험 Tensile Test				굴곡시험 Bending	평판시험 Flattening	경도시험 Hardness	충격시험 Impact	수압시험 Hydrostatic	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					
CON RED STD		0.2	0.2	0.52	0.005	0.004	0.05	0.01	0.03	0.05	0.01	335	515	31				<197		0.31			
10" X 6"	10	03651H																					
CON RED STD		0.2	0.2	0.52	0.005	0.004	0.05	0.01	0.03	0.05	0.01	335	515	31				<197		0.31			
10" X 8"	15	03651H																					
CON RED STD		0.2	0.24	0.42	0.019	0.002	0.029	0.01	0.01	0.005	0.01	280	455	30						0.28			
12" X 6"	5	03808H																					
CON RED STD		0.19	0.26	0.51	0.011	0.009	0.04	0.01	0.016	0.005	0.01	305	490	32				<197		0.29			
12" X 8"	5	03795																					
CON RED STD		0.2	0.24	0.42	0.019	0.002	0.029	0.01	0.01	0.005	0.01	280	455	30						0.28			
12" X 10"	5	03808H																					

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

(주)승산카프링
 昇 山 卡 弗 令

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

양식번호 : QMS-8102-11

PUSAN COUPLING CO.,LTD