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 CUSTOMER : Brownsville Steel City LLC

INSPECTION CERTIFICATE

(EN 10204:2004 3.1)

ST&H CORPORATION
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 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			NORMALIZED (850℃X0.5HR)									
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	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		
ECC RED STD			0.19	0.21	0.52	0.006	0.01	0.02	0.01	0.02	0.02	0.01			295	495	31				<197		0.29
12" X 8"	5	03811H																					
ECC RED STD			0.21	0.22	0.49	0.011	0.005	0.04	0.006	0.02	0.03	0.01			315	510	31				<197		0.31
6" X 4"	10	03163N																					
ECC RED STD			0.21	0.24	0.43	0.021	0.005	0.022	0.01	0.01	0.011	0.01			300	450	30				<197		0.29
8" X 3"	5	03455																					
RED TEE SCH80			0.2	0.22	0.53	0.011	0.005	0.04	0.005	0.02	0.03	0.01			315	510	31				<197		0.30
4" X 2"	10	02378																					
RED TEE STD			0.22	0.25	0.51	0.012	0.007	0.05	0.02	0.03	0.07	0.01			330	500	32				<197		0.33
4" X 2"	30	02375																					

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 釜發

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

양식번호 : QMS-8102-11

PUSAN COUPLING CO.,LTD