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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
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발주번호 P/O NO.			원재료 RAW MATERIAL										상적서번호 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°CX0.5HR)										
STD	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	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 XH			0.21	0.22	0.53	0.011	0.008	0.02	0.01	0.006	0.11	0.01		245	505	30							0.31
10" X 8"	5	03578																					
CON RED XH			0.21	0.2	0.42	0.018	0.008	0.04	0.01	0.06	0.17	0.01		325	500	31							0.31
1 1/2" X 1/2"	5	01207																					
CON RED XH			0.21	0.23	0.51	0.007	0.008	0.06	0.002	0.02	0.04	0.01		330	500	33							0.31
1 1/2" X 1"	5	01207N																					
CON RED XH			0.2	0.2	0.53	0.015	0.01	0.06	0.01	0.06	0.19	0.01		305	485	31							0.32
2" X 3/4"	5	01439																					
CON RED XH			0.2	0.22	0.52	0.01	0.006	0.05	0.001	0.03	0.06	0.01		330	500	33							0.30
2" X 1"	10	01439N																					

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

품질보증부
 QUALITY ASSURANCE DEP'T

(株) 釜山 카프링
 釜山 佐發

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