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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										성적서번호 CERTIFICATE NO												
BSC 2010-222 (PSJ5724)			MADE FROM STEEL PLATE										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				굴곡시험 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			
CAP STD			0.16	0.17	0.53	0.015	0.025	0.01	0.01	0.01	0.01	0.01	300	470	35										0.26
6"	15	0403																							
CAP STD			0.17	0.22	0.45	0.017	0.025	0.01	0.01	0.01	0.01	0.01	320	470	35										0.25
8"	15	0404																							
CAP STD			0.17	0.22	0.45	0.017	0.025	0.01	0.01	0.01	0.01	0.01	320	470	35										0.25
10"	5	0404																							
CAP STD			0.16	0.22	0.45	0.017	0.03	0.038	0.009	0.009	0.1	0.01	295	435	33										0.25
12"	5	0405																							
CAP STD			0.16	0.22	0.55	0.016	0.007	0.04	0.008	0.006	0.09	0.01	355	430	30										0.27
14"	5	0406																							

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 카프콤
 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