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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 2010-225 (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			620℃ ~ 980℃														
STD	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)													인 장 시 험 Tensile Test				굴곡시험 Bending Test ()	평판시험 Flattening Test	경도시험 Hardness Test(HB)	충격시험 Impact Test	수압시험 Hydrost- atic Test	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	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							
LR 45D ELBOW SCH80			0.18	0.26	0.52	0.016	0.011	0.06	0.01	0.032	0.008	0.01		315	520	37					<197						0.29	
10"	6	03409																										
LR 45D ELBOW SCH80			0.2	0.22	0.52	0.009	0.007	0.04	0.01	0.02	0.06	0.01		315	495	32					<197						0.30	
12"	5	03404																										
LR 45D ELBOW SCH80			0.21	0.22	0.55	0.006	0.007	0.04	0.01	0.004	0.14	0.01		250	485	32					<197						0.32	
16"	2	03609																										
LR 45D ELBOW SCH80			0.21	0.26	0.59	0.017	0.022	0.04	0.01	0.007	0.16	0.01		320	490	30					<197						0.33	
2"	20	01184																										
LR 45D ELBOW SCH80			0.19	0.21	0.51	0.013	0.009	0.057	0.004	0.01	0.09	0.01		315	515	32					<197						0.30	
3"	25	01678J																										

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 釜發

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