

INSPECTION CERTIFICATE

HUSTEEL CO., LTD.

계약서번호 : SH980317JK
 L/C No. : 88462-00
 발급일자 : 2008. 02. 29.
 제품명 : E.R.W. STEEL PIPE
 COMMODITY : E.R.W. STEEL PIPE
 제품규격 : API 5L X-42 PSL1/API 5LB
 ASTM A53B/ASME SA 53B

HEAD OFFICE : Shinan B/O 15F, 943-19, Deochi-dong
 Kangnam-ku, SEOUL 135-845, KOREA
 DANGJIN PLANT : 589-1, BUGOK-RI, SONGAK-MYEON, DANGJIN-GUN,
 CHUNGCHONGNAM-DO, KOREA
 DAEBUL PLANT : 11 BLOCK, DAEBUL NATIONAL INDUSTRIAL COMPLEX,
 NABUL-RI, SAMPO-MYEON, YOUNGAM-KUN, CHULLANAM-DO, KOREA

증명서번호 : 0080229 - 45
 CERTIFICATE No. : 0080229 - 45
 제조번호 : 08-03-216
 MANUFACTURED No. : 08-03-216
 주문자 : HUSTEEL CO., LTD.
 SUPPLIER : HUSTEEL CO., LTD.
 수요가 : HUSTEEL USA INC.
 CUSTOMER : HUSTEEL USA INC.

ITEM NO.	HEAT NO. (LOT)	관종 TYPE	수량 QUANTITY (PIECES)	호칭경 NOMINAL SIZE (in)	주문치수 ORDER SIZE			중량 WEIGHT (lb/ft)	인장시험 TENSILE TEST			화학성분 CHEMICAL COMPOSITION (%)									
					바깥지름 O.D. (mm)	두께 W.T. (in)	길이 LENGTH (ft)		인장강도 TENSILE STRENGTH (psi)	항복강도 YIELD STRENGTH (psi)	연신율 LONG-ATION (%)	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V
												2	3	2	3	2		3			
1	C736069	BPEB	39	24	610.0	0.250	42'	63.47	67440	47425	37	15	14	72	12	6	2	3	2	TR	1
2	03710	BPEB	48	12 3/4	323.9	0.250	42'	33.41	74981	51921	30	15	9	69	11	7	2	3	2	1	1
3	03719	BPEB		12 3/4	323.9	0.250	42'	33.41	72951	53082	37	16	7	71	8	6	2	3	2	1	TR

LAST ITEM

ITEM NO.	수압시험 HYDROSTATIC TEST		열처리온도 HEAT TREATMENT (°C)	비파괴 시험 NDT (U.T)	경도시험 HARDNESS TEST (HrB)	외주장 CIRCUMFERENCE (mm)		중점부인장강도 TENSILE STRENGTH OF WELOS (psi)	아연도금시험 ZINC COATING TEST		VISUAL & DIMENSION	FLATTENING (BEND) TEST	R G T	F R T	C R T	R F T	S.T (%)	충격시험 IMPACT TEST		잔류 자기 Res. Mag.	비고 REMARKS	
	TP (PSI)	RE-SULT				END	BODY		WZC (g/m²)	CST (TIMES)								ENE-RGY (J)	SHEAR AREA (%)			Gauss
1	790	GOOD	930	ACCEPT			70050			ACCEPT	GOOD						0.1		19	We hereby certify that our mills haven't added our materials to any lead ingredient during pipe manufacturing process		
2	1400	GOOD	930	ACCEPT			77592			ACCEPT	GOOD	GOOD					0.1		16			
3	1400	GOOD	930	ACCEPT			75561			ACCEPT	GOOD	GOOD					0.1		17			

LAST ITEM

REMARK : ①HARDNESS MAX. 22 HRC AS PER NACE MR 0175
 ②Latest edition per API 5L X52 & X42 & 5LB(43rd,2004)/ASTM A53B(2005)/ASME SA 53B(2000)

N O T E : ①TYPE BPE BLACK PLAIN ENDS BPEB BPE BEVELLED BTE BLACK THREADED ENDS BTC BLACK THREADED & COUPLED GPE GALVANIZED PLAIN ENDS GTE GALVANIZED THREADED ENDS GTC GALVANIZED THREAD & COUPLED
 ②O.D. OUTSIDE DIAMETER ③W.T. WALL THICKNESS ④CHEMICAL COMPOSITION CHECK ANALYSIS 2:*100 3:*1000 TR TRACE ⑤TP TESTING PRESSURE ⑥NDT NONDESTRUCTIVE TEST
 E.T EDDY CURRENT TEST U.T ULTRASONIC TEST ⑦WZC WEIGHT OF ZINC COATING CST COPPER SULPHATE TEST ⑧WDT WELD DUCTILITY TEST RGT RING GAGE TEST FRT FRANGE TEST ⑨ RES.MAG. : RESIDUAL MAGNETISM
 CRT CRUSH TEST RFT REVERSE FLATTENING TEST S.T STRAIGHTNESS

SIGNATURE : _____
 MANAGER OF QUALITY ASSURANCE TEAM

SURVEYOR TO : _____
 HMS C-30-05-(21) PAGE : 1 / 1

본 제품은 관련 규격이 정한 시험 및 검사에 합격하였음을 증명합니다.
 WE HEREBY CERTIFY THAT THE PRODUCTS HEREIN HAVE BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ORDER.