계약서번호 SH980317JK
P/O No. : 110032-00
L/C No. :
발급일자
ISSUED DATE : 2011. 03. 28.
제품명
COMMODITY : E.R.W. STEEL PIPE
제품규격
SPECIFICATION : API 5L X-42PSL1/API 5LB/ ASTM A53B/ASME SA 53B

INSPECTION CERTIFICATE
HUSTEEL CO., LTD.

□HEAD OFFICE : Shinan B/D 15F, 943-19, Daechi-dong Kangnam-ku, SEOUL 135-845, KOREA
□DANGJIN PLANT: 569-1,BUGOK-RI,SONGAK-MYEON, DANGJIN-GUN, CHUNGCHEONGNAM-DO,KOREA
■DAEBUL PLANT: 11 BLOCK,DAEBUL NATIONAL INDUSTRIAL COMPLEX, NABUL-RI, SAMHO-MYEON,YOUNGAM-KUN,CHULLANAM-DO,KOREA

증명서 번호
CERTIFICATE No. : 110328-143
제조번호
MANUFACTURED No.: 2011-01-217
공급자
SUPPLIER : HUSTEEL CO., LTD.

ITEM NO.	HEAT NO. (LOT)	관종 TYPE ①	수량 QUANTITY (PIECES)	호칭경 NOMINAL SIZE (in)	주문치수 ORDER SIZE 바깥지름 O.D. (mm) ②	두께 W.T. (in) ③	길이 LENGTH (ft)	중량 WEIGHT (lb/ft)	TENSILE TEST 인장강도 TENSILE STRENGTH (psi)	항복강도 YIELD STRENGTH (psi)	연신율 ELONGATION (%)	항복비 YR (YS/TS)
1	08861	BPEB	50	24	610.0	0.250	42'	63.47	67730	46410	37	
2	09904	BPEB		24	610.0	0.250	42'	63.47	68165	47135	37	
3	09905	BPEB		24	610.0	0.250	42'	63.47	67875	46700	36	

화학성분 CHEMICAL COMPOSITION(%) ④

ITEM NO.	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Nb	Ti	B	PCM	CEQ
	-2	-3	-2	-3					-4					-3	
1	16	12	79	14	5	10	16	2	1	2	2	4			
2	16	19	76	14	3	14	19	2	1	2	1	2			
3	15	18	77	15	2	14	18	2	1	2	1	3			

------- LAST ITEM -------

ITEM NO.	수압시험 HYDROSTATIC TP (PSI) ⑤	RE-SULT	열처리온도 HEAT TREATMENT (℃)	비파괴시험 NDT (U.T) ⑥	경도시험 HARDNESS TEST (HrB)	외주장 CIRCUMFERENCE(mm) END	BODY	용접부인장강도 TENSILE STRENGTH OF WELDS (psi)	아연도금시험 ZINC COATING TEST WZC (g/m²) ⑦	CST (TIMES)	VISUAL & DIMEN-SION	FLATT-ENING (BEND) TEST	WDT ⑧	RGT	MGT	S.T (%) ⑨	충격시험 IMPACT TEST P ⑩	ENERHY(J) SIZE: B⑪ (0)°C	Res. Mag. ⑫ Gauss	비고 REMARKS
1	790	GOOD	950	ACCEPT				70340			ACCEPT	GOOD				0.1			15	
2	790	GOOD	950	ACCEPT				70775			ACCEPT	GOOD				0.1			18	
3	790	GOOD	950	ACCEPT				70485			ACCEPT	GOOD				0.1			16	

------- LAST ITEM -------

REMARKS : ①Latest edition per API 5L X42 & 5LB(44th,2008)/ASTM A53B(2005)/ASME SA 53B(2000)
②EN 10204 3.1. B

NOTE
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/UNIT -2:1/×100 -3:1/×1000 -4:1/x10000 TR TRACE ⑤TP TESTING PRESSURE ⑥NDT NON-DESTRUCTIVE 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 MGT METALLOGRAPHIC TEST ⑨S.T STRAIGHTNESS
⑩P=Position B:Base Metal, CL:Center Line ⑪SPECIMEN SIZE, A:10x10mm, B:10x7.5mm, C:10x6.7mm, D:10x5.0mm, ⑫RES.MAG. : RESIDUAL MAGNTISM

SIGNATURE
SURVEYOR TO:

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.

SIGNATURE
MANAGER OF QUALITY ASSURANCE TEAM

HMS C-30-05-(21)