GE : 1 / 1

명서번호
RTIFICATE NO.: E201007-0085-001820(5005698)

품 명
MMODITY : E.R.W STEEL PIPE

품 규 격
ECIFICATION : API 5LX42 PSL1/5LB(44th)/ASTM A53B(2007)/ASME SA53B(2007)

INSPECTION CERTIFICATE

SeAH Steel Corp.

(주)세 아 제 강

HEAD OFFICE : BONGNAE-DONG 1GA, JUNG-GU, SEOUL, KOREA
POHANG PLANT : 14-1, JANGHEUNG-DONG, NAM-GU, POHANG

발 급 일 자
DATE OF ISSUE : 2010.07.09
계 약 서 번 호
L/C No. (P/O No.) : 102-H287(106102)
수 요 가
CUSTOMER : TEXAS PIPE & SUPPLY
주 문 자
SHIPPER : SEAH STEEL AMERICA,INC.

HEAT NO. (BATCH NO.)	관 단 TYPE *1	주 문 치 수 ORDER SIZE	수 량 QUANTITY 본 수 PCS	총 길 이 TOTAL LENGTH	중량(M/T) WEIGHT	비 고 REMARK
SQ05413 (SIK6282040)	BBE	24 " X 0.250 " X 42.000 FT	6	252.000 FT	7.255	CONFIRM TO NACE MR 0175 & MR 0103
C022617 (SIK7072080)	BBE	24 " X 0.250 " X 42.000 FT	18	756.000 FT	21.765	*ERW : CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS ONLY *DSAW : CHEMICAL COMPOSITION AND HARDNESS ONLY

HEAT NO (BATCH NO.)	HYDROSTATIC TEST 10 Sec. psi	RESULT	N-D-T U *2	VISUAL & DIMENSION	FLATTENING	SHOCK	COMPRESSION	RESIDUAL MAGNETISM GAUSS	BENDING *3	DRIFT	CRUSH	FLARING	FLANGE	REVERSE FLATTENING	ZINC COATING TEST WEIGHT OF ZINC COAT-ING	균일성 C.S *4	밀착성 ALK *5	CHEMICAL COMPOSITION(%) DESIG *6	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti		CEQ *8	DIR *9	TENSILE TEST (Gage Length : 50mm) TENSILE STRENGTH psi	YIELD STRENGTH psi	E.L % *10	IMPACT TEST (℃) ENE-RGY Joule	SHEAR AREA %	HARD-NESS TEST	HEAT TREAT MENT SN *11
								30										MAX	26		120	30	30	40	40	40	15	80										
																		MIN														60200	42100					
SQ05413 (SIK6282040)	790	G	G	G	G			G										H	15	1	72	13	4															
																		P	14	TR	73	11	3	2	1	2	TR	TR	TR	TR		T	69410	50630	33				G
C022617 (SIK7072080)	790	G	G	G	G			G										P	15	TR	72	12	2	2	1	2	TR	TR	TR	TR		W	75830						
																		H	18	2	76	10	7															
																		P	17	2	77	8	7	TR	TR	1	TR	TR	TR	TR		T	70540	53050	32				G
																		P	17	3	77	12	5	TR	TR	1	TR	TR	TR	TR		W	73690						

*1 ~ *11: Refer To Others

OTHERS

*1-BBE:Black Beveled End(30°)
*2-U:Weld Seam Ultrasonic Test
*6-H:Heat(Ladle) Analysis, P:Product Analysis *7-2:X100, 3:X1000
*9-T:Base Metal Transverse, W:Weld Part Transverse *10-E.L:Elongation *11-S.N:Seam Normalizing *G:GOOD *Tr:Trace

urveyor :

- WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTABLE.
- THE USE OF THE MATERIAL OUTSIDE THE SPECIFICATIONS INDICATED ON THIS CERTIFICATE MAY CAUSE SAFETY AND/OR MONETARY PROBLEMS. FURTHERMORE, ANY ORGANIZATION OR PERSON(S) WHO DELIBERATELY MODIFIES THE CERTIFICATE WILL BE PROSECUTED FOR FORGING AN OFFICIAL DOCUMENT (ACCORDING TO THE PROVISIONS OF THE CRIMINAL CODE 231)

Manager of Q.M Dept.

N. J. Baek