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증명서번호
CERTIFICATE NO. : E200710-0045-002419(5001981)

제 품 명
COMMODITY : E.R.W STEEL PIPE

제품규격
SPECIFICATION : API 5L X42 PSL1/5LB(43rd)/ASTM A53B(2006)/ASME SA53B(2004)

INSPECTION CERTIFICATE

SeAH Steel Corp.

(주)세아제강

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

DATE OF ISSUE : 2007.06.30
계약서번호
L/C No. (P/O No.) : 073-H740(83096)
수 요 가
CUSTOMER : TEXAS PIPE & SUPPLY
주 문 자
SHIPPER

NO.	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문치수 ORDER SIZE	수량 QUANTITY 본수 PCS	총길이 TOTAL LENGTH	중량(M/T) WEIGHT	비고 REMARK
1	C713191 (S1116292220)	BBE	24 " X 0.250 " X 42.000 FT	22	924.000 FT	26.602	CONFIRM TO NACE MR 0175 & MR 0103 *ERW : CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS ONLY *DSAW : CHEMICAL COMPOSITION AND HARDNESS ONLY

NO.	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 COATING	겉면 C.S *4	안면 ALX *5	DESIG *6	CHEMICAL COMPOSITION(%) C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	CEQ *8	DIR *9	TENSILE TEST (Gage Length : 50mm) TENSILE STRENGTH psi	YIELD STRENGTH psi	E.L % *10	IMPACT TEST (℃) ENERGY Joule	SHEAR AREA %	HARDNESS TEST	HEAT TREAT MENT SN *11	PROTECTIVE COATING & LINING THICKNESS	P.H
																				2			3		2	2	2	2	3											
기준 SPEC									30										MAX	28		125	30	30	40	40	40	15	80										
																			MIN												60000	42000							
1	C713191 (S1116292220)	790	G	G	G	G			G										H	17	2	76	12	8														
																			P	17	2	77	13	9	1	TR	2	TR	2		T	73670	55180	36				G		
																			P	17	3	77	13	6	1	TR	2	TR	2		W	75108							

NOTE : *1 ~ *12 : Refer To The Attached Section Designation

OTHER

Surveyor :

- 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.

J. E. KIM

SeAH