

CERTIFICATE NO. : E200709-00890-002316(5001666)

COMMODITY : E. R. W. STEEL PIPE

SPECIFICATION : ASTM A500 B(2003A)

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

MILL'S QUALITY CERTIFICATES

Seah Steel Corp.

(주)세아제강

발급일자 : 2007.09.21
DATE OF ISSUE : 2007.09.21
계약서번호 : PLBSA
L/C No. (P/O No.) : PLBSA
수요가 :
CUSTOMER : DUPRECO SA
주문자 :
SHIPPER : SEAH STEEL CORPORATION

| NO. (BATCH NO.) | HEAT NO. | 관단 TYPE | 주문치수 ORDER SIZE | 수량 QUANTITY | | REMARK |
|-----------------|----------------------|---------|---------------------|-------------|------------------|--------|
| | | | | 본수 PCS | 총길이 TOTAL LENGTH | |
| 9 | SQ12064 (SHH6262010) | BME | 14" X 14" X 0.375 " | 13 | 520.000 FT | 16.125 |
| 10 | SQ11058 (SHH6262020) | BME | 14" X 14" X 0.375 " | 22 | 880.000 FT | 27.289 |
| 11 | SQ12066 (SHH6262060) | BME | 14" X 14" X 0.312 " | 17 | 680.000 FT | 17.659 |
| 12 | SQ11058 (SHH6262090) | BME | 14" X 14" X 0.312 " | 5 | 200.000 FT | 5.194 |

| 기종 SPEC | HEAT NO. (BATCH NO.) | HYDROSTATIC TEST | ZINC COATING TEST | | CHEMICAL COMPOSITION (%) | | | | | TENSILE TEST (Gage Length : 50mm) | | IMPACT TEST (°C) | | HEAT TREATMENT | PROTECTIVE COATING & LINING |
|---------|----------------------|------------------|------------------------|--------------|--------------------------|----|----|----|---|-----------------------------------|------------------|------------------|--------|----------------|-----------------------------|
| | | | WEIGHT OF ZINC COATING | 무늬 결정 C/SALK | C | Si | Mn | P | S | CEQ | TENSILE STRENGTH | YIELD STRENGTH | E.L. % | | |
| 9 | SQ12064 (SHH6262010) | G | 45 | MAX 30 | 17 | 1 | 83 | 14 | 4 | 58000 | 46000 | 23 | | | |
| 10 | SQ11058 (SHH6262020) | G | 45 | MIN 17 | 16 | 1 | 83 | 15 | 3 | 73530 | 50630 | 32 | | | |
| 11 | SQ12066 (SHH6262060) | G | 45 | MAX 18 | 17 | 1 | 77 | 14 | 6 | 72820 | 47220 | 27 | | | |
| 12 | SQ11058 (SHH6262090) | G | 45 | MIN 18 | 19 | 2 | 82 | 15 | 7 | 72680 | 49630 | 30 | | | |

Surveyor :

Refer To The Attached Section Designation

Manager of Q.M Dept.

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)

J. E. KIM

