

증명서번호 : E200709-0080-002316(5001666)

CERTIFICATE NO. : E200709-0080-002316(5001666)

COMMODITY : E.R.W STEEL PIPE

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 : PLSA  
 L/C No. (P/O No.) : PLSA  
 수요자 : DURECO SA  
 CUSTOMER : DURECO SA  
 주문자 : Seah Steel Corporation  
 SHIPPER : Seah Steel Corporation

REMARK : ORIGINAL

| NO.  | HEAT NO. (BATCH NO.)    | 판단<br>TYPE       | 주문<br>ORDER SIZE   | 수량<br>PCS | 총길이<br>TOTAL LENGTH | 중량(M/T)<br>WEIGHT | ZINC COATING TEST |               | CHEMICAL COMPOSITION(%) |      |      |       |       | TENSILE TEST (Gage Length : 50mm) |    | IMPACT TEST (C) | HARDNESS TEST | HEAT TREATMENT | PROTECTIVE COATING & LINING |      |                    |
|------|-------------------------|------------------|--------------------|-----------|---------------------|-------------------|-------------------|---------------|-------------------------|------|------|-------|-------|-----------------------------------|----|-----------------|---------------|----------------|-----------------------------|------|--------------------|
|      |                         |                  |                    |           |                     |                   | 분수                | 평균<br>C.S.ALK | C                       | Si   | Mn   | P     | S     | TS                                | YS |                 |               |                |                             | E.L. | ENR-SHEAR RGY AREA |
| 13   | SQ12066<br>(SHH6271010) | BME              | 14" X 14" X 0.312" | 21        | 840.000 FT          | 21.815            | *4                | *5            | 0.02                    | 0.03 | 0.03 | 0.005 | 0.008 | 83                                | 16 | 5               | 45            | 45             |                             |      |                    |
| 14   | SQ11053<br>(SHH6272010) | BME              | 16" X 16" X 0.375" | 41        | 1,640.000 FT        | 58.450            | 2                 | 3             | 0.02                    | 0.03 | 0.03 | 0.005 | 0.008 | 83                                | 15 | 7               | 45            | 45             |                             |      |                    |
| 15   | 102242B<br>(SHH6272060) | BME              | 16" X 16" X 0.500" | 6         | 240.000 FT          | 11.245            | 2                 | 3             | 0.02                    | 0.03 | 0.03 | 0.005 | 0.008 | 79                                | 12 | 6               | 45            | 45             |                             |      |                    |
| 16   | 302450A<br>(SHH6272070) | BME              | 16" X 16" X 0.500" | 29        | 1,160.000 FT        | 54.353            | 2                 | 3             | 0.02                    | 0.03 | 0.03 | 0.005 | 0.008 | 79                                | 12 | 6               | 45            | 45             |                             |      |                    |
| 기준   | HEAT NO. (BATCH NO.)    | HYDROSTATIC TEST |                    |           |                     |                   |                   |               |                         |      |      |       |       |                                   |    |                 |               |                |                             |      |                    |
| SRBC | SQ12066<br>(SHH6271010) |                  |                    |           |                     |                   |                   |               |                         |      |      |       |       |                                   |    |                 |               |                |                             |      |                    |
| 13   | SQ11053<br>(SHH6272010) |                  |                    |           |                     |                   |                   |               |                         |      |      |       |       |                                   |    |                 |               |                |                             |      |                    |
| 14   | 102242B<br>(SHH6272060) |                  |                    |           |                     |                   |                   |               |                         |      |      |       |       |                                   |    |                 |               |                |                             |      |                    |
| 15   | 302450A<br>(SHH6272070) |                  |                    |           |                     |                   |                   |               |                         |      |      |       |       |                                   |    |                 |               |                |                             |      |                    |

\*1 - \*12 : Refer To The Attached Section Designation

Surveyor : Manager of Q.M Dept. **J. E. KIM**

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)

