

PAGE : 1 / 14

증명서번호
CERTIFICATE NO.: E200812-0057-002874(5003628)

제품명
COMMODITY : E.R.W STEEL PIPE

제품규격
SPECIFICATION : API 5L B(PSL1)/ASTM A53B

MILL'S QUALITY CERTIFICATES 

SeAH SeAH Steel Corp.
(주)세아제강

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

발급일자
DATE OF ISSUE : 2008.12.12

계약서번호
L/C No. (P/O No.) : 47LI-C80768-TCTT(1103066336)

수요자
CUSTOMER : PLESA

주문자
SHIPPER : DUFERCO SA

| NO. | HEAT NO. (BATCH NO.) | 판단 TYPE *1 | 주문 치수 ORDER SIZE | | | 수량 QUANTITY | | | 비고 REMARK |
|-----|-------------------------|------------------|---------------------|-----------|-----------|-------------|---------------------|-------------------|--------------|
| | | | 외경 | 두께 | 길이 | 본수 PCS | 총길이 TOTAL LENGTH | 중량(M/T) WEIGHT | |
| 1 | C815172 (PHIX301021) | BBE | 10 " | X 0.500 " | X 6.120 M | 17 | 104.040 M | 8.486 | |
| 2 | SQ55431 (PHIY132101) | BBE | 10 " | X 0.500 " | X 6.120 M | 25 | 153.000 M | 12.477 | |
| 3 | C825127 (SHI9182040) | BBE | 10 " | X 0.500 " | X 6.120 M | 2 | 12.240 M | 0.998 | |
| 4 | SB15843 (SHI9182080) | BBE | 10 " | X 0.500 " | X 6.120 M | 36 | 220.320 M | 17.967 | |

| NO. | HEAT NO. (BATCH NO.) | HYDROSTATIC TEST 5 Sec psi | N D T *2 | V I S U A L & N *2 | F L A T T E N E D *2 | S H O C K *2 | C O M P R E S S I O N *2 | R E S I D U A L S *2 | B E N D I N G *3 | D R I F T *3 | C R U S H *3 | F L A R T I N G *3 | F L A N G E *3 | R P E L V A T E S E N I N G *3 | ZINC COATING TEST | | CHEMICAL COMPOSITION(%) | | | | | | | | | | | TENSILE TEST (Gage Length : 50mm) | | | IMPACT TEST (°C) | | HARD- NESS TEST | HEAT TREAT MENT | PROTECTIVE COATING & LINING | | | |
|------------|-------------------------|-------------------------------------|-------------------|--|---|-----------------------------|---|---|---------------------------------------|-----------------------------|-----------------------------|--|----------------------------------|--|--------------------------------|--------------|-------------------------|---------------|----------------|----------------|--------------|----------------|----------------|----------------|-------------|---|--------|--------------------------------------|---------------------|-------------------|------------------------|-------------|-----------------------|-----------------------|-----------------------------------|-------|----------------|-----|
| | | | | | | | | | | | | | | | WEIGHT OF ZINC COAT- ING | 규격 C.S | C | Si | Mn | P | S | CU | NI | CR | MO | V | CEQ | DI R | TENSILE STRENGTH | YIELD STRENGTH | E.L | ENE- RGY | | | SHEAR AREA | SN | THICK- NESS | P.H |
| | | | | | | | | | | | | | | | *4 | *5 | *6 | *7 | | | | | | | | | | | *8 | *9 | psi | psi | | | % | Joule | % | *11 |
| 기준 SPEC | | | | | | | | 30 | | | | | | | | MAX. MIN. | 26. 16. | 120. 76. | 30. 11. | 30. 13. | 40. 13. | 40. 11. | 15. 11. | 80. 11. | | | 60000 | 35000 | | | | | | | | | | |
| 1 | C815172 (PHIX301021) | 1950 | G | G | G | G | G | G | | | | | | | | H P P | 16 15 15 | 2 3 3 | 76 77 75 | 11 13 13 | 8 11 6 | 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | | | T W | 72960 73108 | 45230 | 34 | | | | | G | | |
| 2 | SQ55431 (PHIY132101) | 1950 | G | G | G | G | G | G | | | | | | | | H P P | 17 16 17 | 1 TR TR | 77 76 78 | 14 14 13 | 4 3 3 | 1 1 1 | 1 TR TR | 1 TR TR | | | T W | 72680 74429 | 49780 | 37 | | | | | G | | | |
| 3 | C825127 (SHI9182040) | 1950 | G | G | G | G | G | G | | | | | | | | H P P | 17 16 18 | 2 1 2 | 76 76 76 | 12 11 15 | 7 5 9 | 1 2 2 | 1 1 1 | 1 1 1 | | | T W | 68130 71561 | 48660 | 36 | | | | | G | | | |
| 4 | SB15843 (SHI9182080) | 1950 | G | G | G | G | G | G | | | | | | | | H P P | 18 19 18 | 2 3 3 | 79 80 78 | 20 19 20 | 9 9 11 | TR TR TR | TR TR TR | TR TR TR | | | T W | 71250 73548 | 49630 | 35 | | | | | G | | | |

N
O
T
E
*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.
N. J. Baek

