

MILL'S QUALITY CERTIFICATES



HISTEEL CO., LTD.

CERTIFICATE NO : HIE2007-00262 PAGE : 1

DATE OF ISSUE : Aug. 31, 2007

L/C NO (P/O NO) : 1103051406

COMMODITY : 577.245MT SQUARE AND RECTANGULAR PRIME STEEL PIPES/GRADE:ASTM A 500B. AS PER FOLLOWING BREAKDOWN

SPECIFICATION : ASTM A500 GR. B

CUSTOMER : DUFERCO SA

HEAD OFFICE : 898BLOCK 41.0T, GOZANDONG, NAMDONG-KU, INCHON, KOREA
 TEL : (032) 815-6386-8
 FAX : (032) 815-6389
 405-310

SEOUL OFFICE : 57-8, CHUNGMU-RO 3-GA, JUNG-KU, SEOUL, KOREA
 TEL : (02) 2273-2141-3
 FAX : (02) 2273-2157
 100-013

| TYPE OF PIPE END | DIMENSION (OUTDIA. X THICK. X LENGTH) | QUANTITY (PCS) | WEIGHT (KG) | HYDRO-STATIC TEST (Kg/cm ² PSI) | HEAT-NO. | PHYSICAL PROPERTIES | | | CHEMICAL COMPOSITION | | | | | | | | | | IMPACT TEST (0 C) | REMARK (HARDNESS) |
|------------------|---------------------------------------|----------------|-------------|--|----------|---------------------|------------------|------|----------------------|----|------|-------|------|-------|-------|----|-------|------|-------------------|-------------------|
| | | | | | | YIELD STRENGTH | TENSILE STRENGTH | (EL) | C | Si | Mn | P | S | Cu | Ni | Cr | Mo | Nb | | |
| *1 | *2 | *3 | *4 | *5 | | STRENGTH | B | W | % | *8 | X100 | X1000 | X100 | X1000 | X1000 | HV | X1000 | JULE | % | |
| BPE NB | 10"X10" X 0.313" X 40' | 148 | 108,445 | | SR26884 | 49,587 | 71,045 | | 24 | H | 18 | 2 | 30 | 14 | 3 | | | | | |
| TOTAL | | 148 | 108,445 | | | | | | | | | | | | | | | | | |

NOTE 1 * 1 Type of pipe End

* 2 NB: Nominal Bore, OD: Outside Diameter
 * 4 Unit (M: Meter, F: Feet, I: Inch)
 * 5 G: Good
 * 6 Base Metal
 * 3 Unit (M: mm, I: Inch)
 * 8 H: Heat (Ladle) Analysis, P: Product Analysis
 * 10 Visual & Dimension Test
 * 11 Flattening or Bending Test
 * 12 Weld Ductility Test
 * 13 Nondestructive Test
 * 14 Drift Test
 * 15 Flaring Test
 * 16 Crush Test
 * 17 Reverse Flattening Test

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN ACCEPTED IN ACCORDANCE WITH THE PRESCRIBED SPECIFICATION AND ORDER

SUPERVISOR _____ INSPECTION MANAGER _____

HISE-103-06(0) HISTEEL CO., LTD. A4(210X297)