

DATE OF ISSUE : Jan. 19, 2007

L/C NO (P/O NO) : 1103044854

COMMODITY : 1.395.71MT OF WELDED STEEL PIPE, ASTM 500GR-B AS PER FOLLOWING B/ DOWN

SPECIFICATION : ASTM 500 GR-B

MILL'S QUALITY CERTIFICATES



HISTEEL CO., LTD.

HEAD OFFICE : 898LOOX 4LOT, G02ZANDONG, NAMDOONG-KU, INCHON, KOREA
 INCHON PLANT : TEL : (032)815-6986-8 FAX : (032)815-6989
 SEUL OFFICE : 57-6, CHANGSU-HO 3-GA, JUNG-KU, SEUL, KOREA
 TEL : (02)2273-2141-3 FAX : (02)2273-2157

CUSTOMER : DUFERCO SA

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				
						YIELD STRENGTH	TENSILE STRENGTH	(EL)	C	SI	Mn	P	S	Cu	Ni	Cr	Mg	Nb			V	Ti	B	HARDNESS
*1 NB	*2 8"X8" X 0.250" X 40'	*3 144	*4 67,417	*5	C070104	46,252	62,346	31	%	*8	X 100	1	63	15	7	X 1000	X 100	X 1000	X 1000	HV	X 1000	JULE	%	
TOTAL		1,248	833,684																					

NOTE 1 *1 Type of pipe End

*9 P. S. A

*10 VISUAL & DIMENSION TEST GOOD

*11 FLATTENING (B) TEST

*12 WELD DUCTILITY TEST

*13 NONDESTRUCTIVE TEST (U.T.)

*14 DRIFT TEST

*15 FLARING TEST

*16 CRUSH TEST

*17 REVERSE FLATTENING TEST

NOTE 2 NB: Nominal Bore, OD: Outside Diameter

*4 Unit (M: Meter, F: Feet, I: Inch)

*5 G: Good

*3 Unit (M: Meter, F: Feet, I: Inch)

*6 Base Metal Analysis

*8 H-I: Heat Analysis, Phosphor Analysis

*11 Flattening or Bending Test

*14 Drift Test

*17 Reverse Flattening Test

*2 NB: Nominal Bore, OD: Outside Diameter

*4 Unit (M: Meter, F: Feet, I: Inch)

*7 W: Weld Part

*9 POST SEAM ANNEALING

*12 Weld Ductility Test

*15 Flaring Test

*10 Visual & Dimension Test

*13 Nondestructive Test

*16 Crush Test

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

SUPERVISOR

HISTEEL CO., LTD

INSPECTION MANAGER

HISE-103-0610

AA(210X297)