



U.S. STEEL GROUP
A. division of USX Corporation

**TUBULAR PRODUCTS
INSPECTION CERTIFICATE**
(TYPE - IN ACCORDANCE WITH ISO 10474 / EN10204 / DIN60049)

DATE: 08/08/09
TIME: 11:28:38 USX

MILL ORDER/ITEM NO. 602711/001	SHIPPERS NO.	P.O. NUMBER 631990866	VEHICLE	METERS DELIVERED: 757.4 ML.
SOLD TO ADDRESS MARMONE KEYSTONE CORP. PO BOX 791 BUTLER PA 16003-0791		MAIL TO ADDRESS MARMONE KEYSTONE CORP. PO BOX BUTLER PA 16003-0791		VENDOR USS TUBULAR PRODUCTS 1807 EAST 28TH ST LORAIN, OH 44055

TUBOS Y BARRAS HUECAS
DE ACERO, S.A. DE C.V.
CLIENTE: *Y C-183*
18 AGO. 2009
PÉDIDO: *274838*
CANTIDAD: *6,2328*

DESCRIPTION AND GRADE
PIPE CARBON SMLS STD PIPE API 5L-40TH EDITION DTD 11/1/92 GRADE B ASTM A53-93 GRADE B ASME SA53-1995
EDITION 1995 ADDENDUM GRADE B ASTM A106-93 GRADE B/C ASME SA106-1992 EDITION 1993 ADDENDUM GRADE B/C
BLK REG MILL COAT PE BEV 30 DEG MEETING ALL THE APPLICABLE REQUIREMENTS OF NACE STANDARD MR-01-75

MATERIAL COND.: AS ROLLED			O.D.: 10.750 (273.1)		in (mm)		WALL 0.719 (18.26)		in (mm)	
PRODUCT IDENTIFICATION	TENSILE TEST TYPE/ ORIENTATION	TEST COND.	GAUGE WOTH IN	YIELD	EXT 1/2"	TENSILE	Y/T	ELONG%	HARDNESS	MIN HYDRO PSI
				MPa	.50	MPa		2"	SCALE: HRB	
51378	STRIP/T/B	AR	1.500	MIN: 291.3 MAX: 306.0	.50	MIN: 487.9 MAX: 486.6	MAX: 0.65	MIN: 29.92 MAX: 29.67	MIN: 99.5 MAX: 89.5	2800

LEGEND: L - LONGITUDINAL T - TRANSVERSE QT- QUENCHED & TEMPERED AR - AS ROLLED B - BODY W - WELD
U - UPSET N - NORMALIZED SR- STRESS RELIEVED

PRODUCT IDENTIFICATION	TYPE	C X100	MN X100	P X1000	S X1000	SI X100	CU X100	NI X100	CR X100	MO X100	AL	N	V X1000	TI	CE	CO
51378	HEAT PROD	20 20	80 78	13 13	30 30	20 21	11 12	7 7	11 11	0 0			0 0		0.29 0.30	

CE IS BASED ON THE FOLLOWING EQUATION(S):



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PRODUCT IDENTIFICATION		FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	DIR	TEST LOC	TEMP	SIZE	TEST COND	FT-LSS		% SHEAR						
51378		OK									1	2	3	AVG	1	2	3	AVG	
LEGEND:		L - LONGITUDINAL		T - TRANSVERSE		B - BODY		W - WELD		HAZ - HEAT AFFECTED ZONE									
TESTING / INSPECTION INFORMATION																			
TEST / INSPECTION				YES	RESULTS / COMMENTS														
FULL LENGTH VISUAL				X															
FULL LENGTH EMI				X	OD X	OD/ID	L X	LT											
FULL LENGTH MPI																			
FULL LENGTH UT					OD X	OD/ID	L X	LT											
END AREA INSPECTION (PLAN END)					MPI	UT													
SPECIAL END AREA (SEA) INSP.					MPI	UT													
FULL LENGTH DRIFT					DRIFT MANDREL SIZE														
ADDITIONAL NOTES / COMMENTS																			
ALL MELTING AND MANUFACTURING TOOK PLACE IN THE USA, NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS ARE ADDED TO THE STEEL AND ALL MERCURY BEARING EQUIPMENT IS PROTECTED BY A DOUBLE BOUNDARY																			

THIS IS TO CERTIFY THAT THE PRODUCT DESCRIBED HEREIN WAS MANUFACTURED SAMPLE, TESTED AND/OR INSPECTED IN ACCORDANCE WITH THE SPECIFICATION AND FULFILLS THE REQUIREMENTS IN SUCH RESPECTS.

PREPARED BY THE OFFICE OF:

D.S. DABKOWSKI MGR. MET. &
Q.A. USS TUBULAR PRODUCTS