



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

**TUBULAR PRODUCTS**  
**INSPECTION CERTIFICATE**  
(TYPE - IN ACCORDANCE WITH ISO 10474 / EN10204 / DIN50049)

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

MILL ORDER/ITEM NO 602710/001	SHIPPERS NO.	P.O. NUMBER 631990868	VEHICLE	METERS DELIVERED: 346.5 Mt.
SOLD 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 TH ST LORAIN, OH 44055

TUBOS Y BARRAS HUECOS  
DE MEXICO, S.A. DE C.V.  
MESA RUBEN MRC.  
CLIENTE: LCIAS  
**03 MAR. 2010**

DESCRIPTION AND GRADE

PIPE CARBON SMLS STD PIPE API 5L-40<sup>TH</sup> EDITION DTD 11/1/92 GRADE B ASTM A53-93<sup>RD</sup> 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

PEDIDO: 249498  
CANTIDAD: 18,800

MATERIAL COND.: AS ROLLED			O.D.: 10.750 (273.100)		In (mm)		WALL 0.594 (15.09)		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	.50	PSI		2"	SCALE: HRB	PSI
9102671	STRIP/T/B	AR	1.500	MIN: 42000 MAX: 65000 50500	.50	MIN: 70000 MAX: 110000 78000	MAX: 0.65	MIN: 30.3 MAX: 43.0	MIN: 99 MAX: 87.0	2350 2350

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

PRODUCT IDENTIFICATION	TYPE	C		MN	P	S	SI	CU	NI	CR	MO	AL	N	V	Ti	Cb	CO
		X100	X100	X100	X1000	X100	X100	X100	X100	X100	X100	X100	X1000				
9102671	HEAT PROD	19	1.05	011	007	24	05	05	08	02	030			001			
		20	1.06	011	007	22	04	03	08	02	038			002			

CE IS BASED ON THE FOLLOWING EQUATION(S):

**PLEASA ANAHUAC Y CIAS. S.A. DE C.V.**

DECIMAL POSITIONS FOR ELEMENTS ARE INDICATED BY THE LEFT MARGIN, VERTICAL DOTTED LINE OR DECIMAL POINT

**CONTROL DE CALIDAD**

FECHA 03 Mar 2010

FIRMA E. RUIZ



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PRODUCT IDENTIFICATION	FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	DIR	TEST LOC	TEMP	SIZE	TEST COND	FT-LSS			% SHEAR				
9102671	OK				T	B	+ 32	FULL	AR	1 91	2 93	3 86	AVG 90	1 30	2 30	3 30	AVG 30
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	L/T	10.0% NOTCH								
FULL LENGTH MPI																	
FULL LENGTH UT					OD X	OD/ID	L X	L/T									
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 LOOK PLACE IN THE USA, NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS AREA ADDED TO THE STEEL AND ALL MERCURY BEARING EQUIPMENT IS PROTECTED BY 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**