

USA

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

DATE: 10/08/11
TIME: 18:03:00 USX

MILL ORDER/ITEM NO. D092758 01	SHIPPERS NO. M72062871	P.O. NUMBER 95-R-017536	VEHICLE MK990808-02	METERS DELIVERED: 1970.00 Mt.
SOLD ADDRESS LAWISA, S.A. DE C.V.		VENDEDOR USA TABULAR PRODUCTS 1807 EAST TH ST LORAIN, OH 44055		
ORDEN		CLIENTE: <i>hbl/s</i>		
DEPT. No.		16 JUL, 2014		
REFERENCIA		PEDIDO: <i>321127</i>		
		CANTIDAD: <i>1230</i>		

DESCRIPTION AND GRADE

PIPE CARBON SMLS STD PEPE 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

PRODUCT IDENTIFICATION	TENSILE TEST TYPE/ ORIENTATION	TEST COND.	GAUGE WOTH IN	YIELD		EXT 1/2"	TENSILE		Y/T	WALL		ELONG%	HARDNESS		MIN HYDRO PSI
				MPA	MPA		MPA	MPA		0.250 (6.350)	SCALE: HRB				
Y105527 Y105598	STRIP/T/B	AR		MIN: 298.6 MAX: 311.7	MIN: 449.6 MAX: 471.6	.50	MIN: 449.6 MAX: 471.6	0.65		32.81	0.250 (6.350)	32.81	99.5	90.5	1890
Y105527 Y105598	HEAT			MIN: 298.6 MAX: 311.7	MIN: 449.6 MAX: 471.6	.50	MIN: 449.6 MAX: 471.6	0.65		32.81	0.250 (6.350)	32.81	99.5	90.5	1890
Y105527 Y105598	PROD			MIN: 298.6 MAX: 311.7	MIN: 449.6 MAX: 471.6	.50	MIN: 449.6 MAX: 471.6	0.65		34.68	0.250 (6.350)	34.68	99.5	90.5	1890

MATERIAL COND.: AS ROLLED O.D.: 8.625 (219.100) W - WELD

PRODUCT IDENTIFICATION	TYPE	T - TRANSVERSE N - NORMALIZED										QT - QUENCHED & TEMPERED SR - STRESS RELIEVED				AR - AS ROLLED B - BODY			
		C X 100	MN X 100	P X 1000	S X 1000	SI X 100	CU X 100	NI X 100	CR X 100	MO X 1000	AL	N	V	TI	CE	CO			
Y105527	HEAT	22	41	7	25	23	10	8	8	0				0.26					
Y105527	PROD	22	41	7	25	23	10	8	8	0				0.26					
Y105527	PROD	19	41	7	25	23	10	8	8	0				0.26					

CE IS BASED ON THE FOLLOWING EQUATION(S):

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

3006

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MILL ORDER/ITEM NO. D092758 01	SHIPPERS NO. M72062871	P.O. NUMBER 95-R-017536	VEHICLE MK990808-02	METERS DELIVERED: 1970.00 Mt.												
MATERIAL COND.: AS ROLLED		O.D.: 8.625 (219.100) in (mm)														
PRODUCT IDENTIFICATION Y105527 Y105598	FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	DIR	TEST LOC	TEMP	SIZE	TEST COND	FT-LSS			% SHEAR			
	OK									1	2	3	AVG	1	2	3
LEGEND: L - LONGITUDINAL		T - TRANSVERSE		B - BODY		W - WELD		HAZ - HEAT AFFECTED ZONE								
TESTING / INSPECTION INFORMATION																
TEST / INSPECTION																
FULL LENGTH VISUAL																
FULL LENGTH EMI																
FULL LENGTH MPI																
FULL LENGTH UT																
END AREA INSPECTION (PLAN END)																
SPECIAL END AREA (SEA) INSP.																
FULL LENGTH DRIFT																
RESULTS / COMMENTS																
YES																
X																
X																
OD X OD/ID L X L/T																
OD X OD/ID L X L/T																
MPI UT																
MPI UT																
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 71 AND FULFILLS THE REQUIREMENTS IN SUCH RESPECTS.

PREPARED BY THE OFFICE OF: D.S. DABKOWSKI MGR. MET. & Q.A. USA TABULAR PRODUCTS