



P.O. BOX 55710
HOUSTON, TEXAS 77255-5710
(713) 888-4351 PHONE
(713) 888-3222 FAX
www.tektube.com

Certificate of Tests

Page: 1
01/28/2002

Sold To 00081758
CCC STEEL GMBH
PALMILLE 67
D-22767
HAMBURG

Ship To: 5019438
00081759
CCC STEEL
C/O BEST BORDER CARGO
1502 ISLAND STREET
LAREDO TX 78041

Purchase Order: VERBAL

Invoice:

TX

Item Number

Description

3B6280L21P

ASTM A53B 6-5/8" X.280"
WALL(18.99#) LAC, 21'UF, PE 18.9900 LB

* Heat #:111048

Chem Analysis (%):

	C	Mn	P	S	Ni	Cr	Cu	Mo	Si	Al	V	Nb
L - 0	140	0.650	0.009	0.001	0.003	0.014	0.009	0.006	0.200	0.027	0.001	0.000
C - 0	140	0.630	0.007	0.001	0.002	0.010	0.008	0.005	0.200	0.028	0.002	0.002
C - 0	141	0.650	0.007	0.001	0.002	0.010	0.009	0.005	0.205	0.029	0.002	0.002

YS: 57.20 TS: 70.90 EL: 36% HRB : 82
Mechanical Properties (ksi):

* Heat #:111049

Chem Analysis (%):

	C	Mn	P	S	Ni	Cr	Cu	Mo	Si	Al	V	Nb
L - 0	120	0.630	0.009	0.006	0.009	0.015	0.020	0.008	0.199	0.037	0.001	0.000
C - 0	144	0.540	0.009	0.005	0.003	0.012	0.011	0.004	0.196	0.027	0.001	0.002
C - 0	131	0.540	0.009	0.004	0.004	0.014	0.023	0.005	0.169	0.020	0.001	0.002

YS: 57.70 TS: 71.00 EL: 33% HRB : 81
Mechanical Properties (ksi):

* Heat #:111051

Chem Analysis (%):

MTR Certificate Continued On Next Page

TEXTUBE

P.O. BOX 55710
HOUSTON, TEXAS 77255-5710
(713) 686-4351 PHONE

CUSTOMER PURCHASE ORDER: VERBAL

www.tex-tube.com

* Heat #: 511044 *

Chem Analysis (%):

	C	Mn	P	S	Ni	Cr	Cu	Mo	Si	Al	V	Nb
L -	0.120	0.650	0.009	0.003	0.010	0.010	0.073	0.070	0.184	0.029	0.001	0.000
C -	0.120	0.630	0.007	0.004	0.004	0.010	0.019	0.006	0.194	0.032	0.001	0.002
C -	0.121	0.650	0.007	0.004	0.003	0.010	0.020	0.006	0.198	0.032	0.002	0.002

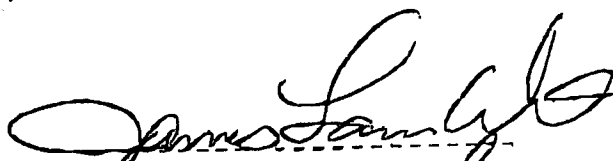
Mechanical Properties (ksi):

YS: 58.90 TS: 69.80 EL: 37% HRB: 82

Comments

HYDROSTATIC TEST PRESSURE (psi): 2,660
 1" STRIP SPECIMEN.
 THIS MATERIAL MEETS ASTM A53 GRADE B SPEC.
 THIS MATERIAL MEETS ASME SA-53-B SPEC.
 THIS MATERIAL IS ERW PIPE.
 FLATTENING TEST PASSED.
 THIS MATERIAL WAS MANUFACTURED IN THE U.S.A..
 THIS MATERIAL IS IN COMPLIANCE WITH NACE STANDARD MRO175.
 THIS MATERIAL PASSED THE NDE INSPECTION USING THE EDDY CURRENT METHOD.
 ALL STANDARDS ARE LATEST REVISION.

The above analyses and tensile properties are correct to the best of my knowledge and belief.


 Quality Control Dept