MATERIAL TEST CERTIFICATE

DATE: January 14, 1998

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CUSTOMER

FERRETERA ANAHUAC S.A. DE C.V.
C/O OSCAR FERNANDEX OF TX (FASA)
14215 TRANSPORTATION AVE.
LAREDO, TEXAS USA

AES CONTROL NO.: 3351

CUSTOMER P.O.: 98/004

ITEM NO.: 14

QUANTITY: 24 OF 30

SIZE & DESCRIPTION

2" 300# CS RF GATE VALVE
STANDARD TRIM
HANDWHEEL OPERATED

AES FIG. NO.: 02GA03RHA11

IDENTIFICATION NOS.

35556, 35557, 35558, 35559, 35562, 35565, 35567, 35568, 35569, 35571, 35575, 35576, 35577, 35582, 35583, 35584, 35585, 35587, 35591, 35594, 35597, 35598, 35599, 35601

MATERIAL: ASTM A216 GR WCB

HEAT NO.	CHEMICALS C.	Mn.	P.	S.	Si.	Cu.	Ni.	Cr.	Mo.	V.
C72030	0.24	0.88	0.019	0.016	0.38	0.04	0.05	0.07	0.02	0.005
C72032	0.21	0.87	0.020	0.015	0.41	0.06	0.05	0.07	0.02	0.004
C72231	0.20	0.89	0.025	0.017	0.40	0.07	0.04	0.06	0.03	0.004
C72387	0.22	0.72	0.030	0.024	0.44	0.03	0.05	0.07	0.02	0.003
C72419	0.22	0.83	0.019	0.018	0.36	0.06	0.04	0.08	0.02	0.002
C72478	0.19	0.90	0.027	0.019	0.50	0.03	0.05	0.06	0.01	0.002
C72490	0.19	0.54	0.031	0.022	0.38	0.04	0.07	0.07	0.05	0.007
C72732	0.21	0.77	0.022	0.014	0.37	0.04	0.04	0.08	0.03	0.002
C72733	0.25	0.85	0.028	0.020	0.48	0.06	0.01	0.05	0.07	0.003
C72750	0.22	0.59	0.028	0.019	0.41	0.04	0.04	0.08	0.03	0.004
C73023	0.22	0.84	0.020	0.025	0.42	0.07	0.06	0.06	0.02	0.003
C73490	0.25	0.83	0.023	0.023	0.36	0.05	0.04	0.04	0.03	0.004
C78402	0.22	0.79	0.022	0.023	0.39	0.06	0.05	0.08	0.02	0.003
C78406	0.24	0.81	0.020	0.025	0.32	0.05	0.05	0.06	0.03	0.004
C78411	0.24	0.64	0.019	0.020	0.30	0.05	0.04	0.08	0.02	0.007
C78419	0.22	0.77	0.023	0.021	0.34	0.06	0.06	0.08	0.02	0.003
C78423	0.22	0.86	0.020	0.024	0.44	0.04	0.06	0.08	0.03	0.003

PHYSICALS TENSILE KSI	YIELD KSI	%EL	%RA	BHN
76	46	27	44	156
74	44	27	46	153
74	43	26	45	156
72	42	28	54	150
71	41	33	54	146
75	46	30	59	152
70	38	30	40	145
72	44	31	58	147
76	50	29	48	156
71	48	28	46	145
74	42	31	60	150
74	37	31	54	146
72	48	29	48	151
77	45	27	43	160
71	43	30	56	156
72	43	29	47	150
74	47	30	57	154

PRESSURE TEST API 598 1990

psi SHELL HYDRO	SEAT A HYDRO	SEAT A AIR	SEAT B HYDRO	SEAT B AIR	BACK SEAT HYDRO	BACK SEAT AIR
1125		80		80		80

SECONDS						
15		15		15		15

DIMENSIONS CONFORM TO ASME/ANSI B16.34

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