

CERTIFIED MATERIAL TEST REPORT
 Trinity Fitting Group Inc.
 Hackney * Ladish * Flo-Bend
 P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887
 Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 109

Date: 11/14/02

Sold to: FERRETERA ANAHUAC, S.A. DE C.V Ship to:
 VALLE DE LAS ALAMEDAS NO.66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN, EOO. DE MEXICO

Heat Code	Quantity	Description / Specifications	
M3EC	18 X 14 STD ECC	A/SA 234 - 01 WPB	
	A106B 133/ 856UN	USS NORMALIZED	NACE MR0175
RA01RE2	24 STD LR 90 ELB	A/SA 234 - 01 WPB	
	471D 9 B09789	AS ROLLED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
M3EC	M	.180	1.050	.008	.004	.230	.030	.030	.110	.040	
RA01RE2	M	.170	1.150	.014	.004	.220	.020	.020	.090	.020	.0300

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
M3EC		.005			.001					.390
RA01RE2	.0050	.070	.0001		.001					.400

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
M3EC	73.9			52.8	36.0	74.0	197
RA01RE2	83.5			57.0	40.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
M3EC						
RA01RE2						

Test: M=Mill Product

Type:

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.
 /S/ Glinda LaFleur