

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: 4515

Date: 09/10/02

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	
RD02CM1		90 X 18 STD ELBOW A234 A/SA 234 - 01 WPB	
		A106B 48 95230 AS ROLLED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
RD02CM1	M	.180	.690	.007	.024	.290	.072	.030	.040	.030	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
RD02CM1		.000			.000					.315

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
RD02CM1	72.1			46.7	40.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
RD02CM1						

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