

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 300000010 (281505-007) DOC #00163719 04/10/29 Date: 10/31/04

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to: PLESA ANAHUAC Y CIAS 001
 VALLE DE LAS ALAMEDAS NO 66-0 C/O SPECIALIST IN TRANSIT FWR
 SAN FRANCISCO CHILPAN 1801 MARKLEY - MODERN IND PARK
 TULTITLAN EOO DE MEX 54940 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EC04SZ	3	20 X 14 STD RED TEE A/SA 234 - 01 WPB. A106-B 9/B85539 NORM. 1650 NACE MR0175
ED04BB	10	4 X 2 1/2 STD RED TEE A/SA 234 - 01 WPB. A106-B 9/A80725 NORM. 1650 NACE MR0175
EE04CK	5	4 X 2 XH RED TEE A/SA 234 - 03 WPB. A106-B 55/31615 NORM. 1650 NACE MR0175
ED04BF	10	12 X 8 STD ECC A/SA 234 - 03 WPB. A106-B 48/15114 AS ROLLED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC04SZ	M	.180	1.180	.017	.017	.200	.020	.100	.060	.050	.0230
ED04BB	M	.150	.670	.017	.016	.220	.020	.020	.050	< .010	.0230
EE04CK	M	.180	.710	.014	.014	.300	.040	.030	.030	.010	.0140
ED04BF	M	.170	.970	.015	.013	.230	.110	.080	.070	.030	.0100

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC04SZ	.0050	.074	<.0005	<.0100	<.010	.002	<.002	<.001	<.050	.421
ED04BB	.0040	< .010	<.0005	<.0100	<.010	.001	<.002	<.001	<.050	.278
EE04CK	.0032	< .010	<.0005	<.0100	.010	.003	<.002	<.001	<.050	.312
ED04BF		< .010	<.0005	<.0100	<.010	.007	<.002	<.001	<.050	.366

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC04SZ	79.5	L		53.7	33.0	69.0	156
ED04BB	70.9	L		46.7	35.0	71.0	129
EE04CK	81.7	L		45.9	33.0	69.0	134
ED04BF	76.1	L		54.1	43.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC04SZ						
ED04BB						
EE04CK						
ED04BF						

Test: M=Mill Product
 Type: L=Longitudinal

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