

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 8205

(275611-004) DOC #00153059 04/05/27 Date: 05/28/04

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO 66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN EOO DE MEX 54940

Ship to: TUBOS CONEXIONES Y TANQUES 001
 C/O SPECIALIST IN TRANSIT FWR
 1801 MARKLEY - MODERN IND PARK
 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EC04VF	10	14 STD CAP A/SA 234 - 01 WPB A516-65 117/E4C006 NORM. 1650 NACE MR0175
ED04BF	5	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
EC04VF	M	.160	1.010	.018	.017	.180	.270	.110	.100	.020	.0210
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
EC04VF		< .010	<.0005	.0200	<.010	.010	.004	<.001	<.050	.379
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
EC04VF	75.2	T		49.9	30.0	66.0	143
ED04BF	76.1	L		54.1	43.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC04VF						
ED04BF						

Test: M=Mill Product

Type: T=Transverse 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