

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 8205

(275611-006) DOC #00149673 04/04/09 Date: 04/10/04

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	
EA04TO	15	20 STD CAP A516-70 9/D62858	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175
EC04VA	24	24 STD CAP A516-65 117/W4B676	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175
EA04TK	5	24 XH CAP A516-70 154/3105394	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175
EB04TW	20	10 XH CAP A516-70 154/3105197	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EA04TO	M	.180	.880	.011	.005	.200	.020	.020	.030	< .010	.0290
EC04VA	M	.150	.900	.016	.007	.190	.260	.160	.140	.030	.0220
EA04TK	M	.190	.980	.010	.003	.240	.380	.100	.100	.010	.0290
EB04TW	M	.180	1.060	.010	.004	.200	.290	.080	.060	< .010	.0190

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EA04TO		< .010	<.0005	<.0100	<.010	.008	<.002	<.001	<.050	.339
EC04VA	.9999	< .010	<.0005	.0200	<.010	.009	<.002	<.001	<.050	.364
EA04TK		< .010	<.0005	<.0100	<.010	.012	.003	.002	<.050	.409
EB04TW		< .010	<.0005	<.0100	<.010	.010	<.002	<.001	<.050	.397

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EA04TO	73.5	T		48.6	31.0	69.0	139
EC04VA	72.7	T		48.6	34.0	62.0	140
EA04TK	80.0	T		52.2	30.0	59.0	149
EB04TW	81.4	T		53.5	32.0	67.0	150

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EA04TO						
EC04VA						
EA04TK						
EB04TW						

Test: M=Mill Product

Type: T=Transverse

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