

**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

BPCS

Order Number: 100000403

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Sold to: PLESA ANAHUAC Y CIAS S. A. DE  
 VALLE DE LAS ALAMEDAS NO 66-0  
 SAN FRANCISCO CHILPAN  
 TULTITLAN EOO DE MEX 54940

Ship to: PLESA ANAHUAC Y CIAS 001  
 C/O SPECIALIST IN TRANSIT FWR  
 1801 MARKLEY - MODERN IND PARK  
 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications	
EE04CH	50	3 XH TEE A106-B 55/31472	A/SA 234 - 03 WPB NORM. 1650 NACE MR0175
EF04DR	100	3 STD TEE 106-B 55/59134	A/SA 234 - 03 WPB NORM. 1650 NACE MR0175
EC04VF	10	16 STD CAP A516-65 117/E4C006	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175

**Chemical Analysis**

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EE04CH	M	.180	.750	.013	.012	.290	.060	.030	.040	.020	.0120
EF04DR	M	.200	.700	.013	.010	.300	.060	.040	.040	.010	.0130
EC04VF	M	.160	1.010	.018	.017	.180	.270	.110	.100	.020	.0210

**Chemical Analysis (cont.)**

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EE04CH		< .010	<.0005	<.0100	<.010	.005	<.002	<.001	<.050	.325
EF04DR	.0032	< .010	<.0005	<.0100	<.010	.005	.002	<.001	<.130	.335
EC04VF		< .010	<.0005	.0200	<.010	.010	.004	<.001	<.050	.379

**Physical Properties**

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EE04CH	73.1	L		48.1	33.0	68.0	126
EF04DR	76.9	L		49.7	27.0	65.0	136
EC04VF	75.2	T		49.9	30.0	66.0	143

**Charpy Results**

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EE04CH						
EF04DR						
EC04VF						

Test: M=Mill Product

Type: L=Longitudinal 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