

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 8205

(275611-001) DOC #00150165 04/04/15 Date: 04/16/04

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	
EC04VA	20	12 STD CAP A516-65 117/W4B676	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175
RA04JJ	2	24 STD LR 45 DEG EL A106B 9 A64239	A/SA 234 - 02 WPB AS ROLLED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC04VA	M	.150	.900	.016	.007	.190	.260	.160	.140	.030	.0220
RA04JJ	M	.170	.700	.013	.007	.220	.020	.040	.080	.010	.0290

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC04VA	.9999	< .010	<.0005	.0200	<.010	.009	<.002	<.001	<.050	.364
RA04JJ		.001			.001					.308

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC04VA	72.7	T		48.6	34.0	62.0	140
RA04JJ	62.0			38.5	45.0		79

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC04VA						
RA04JJ						

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