

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

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Order Number: 5301

(261200-011) INV #00122050 02/12/19 Date: 12/20/02

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO.66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN, EOO. DE MEXICO

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	
EF02VA	10	24 XH CAP A516-70 117/E2A226	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175
RH02KM2	2	24 STD LR 90 DEG EL Y56 9 A42641	A/SA 234 - 01 WPB AS ROLLED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EF02VA	M	.180	1.010	.008	.003	.220	.250	.090	.070	.020	.0270
RH02KM2	M	.184	1.100	.010	.004	.190	.020	.050	.100	.020	.0250

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EF02VA		.010	.0005	.0200	.010	.010	.002	.001	.050	.390
RH02KM2		.068	<.0005	<.0100	<.010	.003				.409

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EF02VA	78.7	T		55.8	32.0	69.0	149
RH02KM2	79.0			52.0	40.0	.0	197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EF02VA						
RH02KM2	.0					

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