

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: 15523

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Sold to: FERRETERA ANAHUAC, S.A. DE C.V Ship to: FERRETERA ANAHUAC, S.A. DE0001
 VALLE DE LAS ALAMEDAS NO.66 B C/O SPECIALIST IN TRANSIT FWR
 SAN FRANCISCO CHILPAN 1801 MARKLEY MODERN IND. PARK
 TULTITLAN, EOO. DE MEXICO LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
KA02PQ	250	3 STD TEE A/SA 234 - 00 WPB A106B/009/A21055 STRESS RELIEVED NACE MR0175
WF01RR	100	5 STD LR 90 DEG EL A/SA 234 - 00A WPB A106B 07 / O20411 STRESS RELIEVED NACE MR0175
KB02QA	20	4 X 2 XH RED TEE A/SA 234 - 00 WPB A106B/009/A24199 STRESS RELIEVED NACE MR0175
KG01NW	20	2 X 1 1/2 STD RED TEE A/SA 234 - 00 WPB A106B/009/B26955 STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
KA02PQ	M	.170	.750	.005	.005	.210	.030	.030	.070	.020	
WF01RR	M	.140	.620	.006	.003	.230	.080	.050	.040	.010	
KB02QA	M	.170	.750	.006	.007	.200	.030	.020	.090	.030	
KG01NW	M	.180	.740	.011	.009	.220	.020	.040	.080	.020	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
KA02PQ		.001			.001					.317
WF01RR		.001			.001					.262
KB02QA		.001			.001					.322
KG01NW		.001			.001					.327

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
KA02PQ	67.0			45.6	38.0		132
WF01RR	64.7			44.2	45.2		137
KB02QA	68.5			43.6	43.0		137
KG01NW	71.0			48.6	35.0	99.9	139

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
KA02PQ						
WF01RR						
KB02QA						
KG01NW						

Test: M=Mill Product

Type:

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