Gulf Manufacturing, LLC.

"A Quality and Service Team"

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Contact us on our Website: www.gmigroup.com
"Your source for API Flanges and Heavy Wall Fittings"

******MATERIAL TEST REPORT*****

SOLD TO: INDUSTRIAL PIPING SPEC

P.O.: STP49734X

DATE: 7	/25/10	3													
					ų(i)	fe sije sije sije sij	***	ITEM	S****	****	i alje				
HT:		QTY: DESCRIPTION:													
V048		7	12		2" X	H B	W SMLS CUSHION TEE								
							A/SA	234W	/PB						
				,	****	****	*CHJ	EMIC	CALS	***	***	*			
	С	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	v	Nb	Ti	N	CE
	.18	.23	1.17	.008	.008	.10	.12	.03	.026	.15	.005	.014	.009	.000	.43
			Wi	****	****P	HYS	ICA	L PR	OPE	RTIE	S****	****	**		
HT:			Y	IELD);				TENSILE:						
V048			49	,300 I	PSI		71,050 PS1								
HT:		HARDNESS:		SS:	RA%:		EL	ONG		CVN: C46-			MILL#: 25251		
V048	=:-	HBW 143-147 68			68.64	64% 32.80%				81-76-72 ftlbs			bifrangi		
OTHER:	//			1000											
HEAT T	REATI	MEN	T: No	rmali	zed ma	teria	l hole	ding t	ime: l	nin.	x eac	h mill	imeter	thick	ness
			Au	steniti	ic tem	@ 9	910C	unifo	rm co	oling	air in	still a	ir		
NOTES:															
COMPL	IANT \	VITI	I NAC	E MI	R0175	/ISO	1515	6-20	15, A	nnex	A (A.:	2.1.2,	A2.1.3	3)	
COMPL														-	
IN COM										110					
MFG IN			-						-						
We hereb		ı, that	all ton	+	140.004		f.	· £	ation						

We hereby certify that all test results and process information contained herein are correct and true as contained in the records of the company.

Quality Assurance Director Eric A. Berger