

INSPECTION CERTIFICATE

DIN 50049/3.1B

Commodity : STAINLESS STEEL BUTT-WELDING PIPE FITTING- Customer : SANTRADE LTD  
STRAIGHT TEE Shipper : TA CHEN STAINLESS PIPE CO., LTD.  
 Specification : ASTM A403-1991 Destination : ROTTERDAM  
ANSI B16.9-1993

**TA CHEN STAINLESS PIPE CO., LTD.**  
 NO. 125 HSIN-TIEN 2ND ST. HSIN-TIEN  
 JENG-TEH, TAINAN TAIWAN, R.O.C.

TEL: (06)2793254 · 2701756-8

FAX: (06)2701382 · 2791154

Grade : WP304/304L-W , WP316/316L-W Customer's O/N : 13767 Certificate No. : 9704083- 1/ 2

Supply Condition: \_\_\_\_\_ Factory O/N : SL026L880 Date : APR. 25, 1997 INVOICE No: SL027B677

Item No.	Case No. (Crate No.)	Heat No.	Size ( TEE )	Quantity (Pcs)	Weight (Kgs)	Chemical Composition in %								
						C	Si	Mn	P	S	Ni	Cr	Mo	
001	A3 FBT-W316L-1-1/4-10S	52505C	1 1/2" SCH10 WP316/316L-W	100		.019	.55	1.54	.031	.001	11.00	16.80	2.05	
002	A2 FBT-W304L-1-1/4-10S	60354C	1 1/2" SCH10 WP304/304L-W	100		.023	.44	1.56	.026	.002	9.10	18.10		
003	A2 FBT-W316L-2-1/2-10S	E618003	2 1/2" SCH10 WP316/316L-W	50		.026	.44	1.38	.032	.005	11.33	17.11	2.13	
004	A2 FBT-W316L-2-1/2-40S	E548087	2 1/2" SCH40 WP316/316L-W	25		.025	.41	1.36	.031	.007	11.12	16.91	2.09	
005	A2 FBT-W316L-3-40S	861922	3" SCH40 WP316/316L-W	25		.019	.54	1.18	.034	.001	11.08	17.68	2.08	
006	A3 FBT-W316L-5-40S	Y8675	5" SCH40 WP316/316L-W	10		.023	.44	1.30	.027	.002	11.15	17.29	2.05	
<b>Total</b>				<b>310</b>										

Item No.	Tensile Test				Hardness Test HRB	Bend Test	SURFACE & DIMENSION	HYDROSTATIC TEST PSI	FLATTENING TEST	SOLUTION HEAT TREATMENT TEMP °F
	0.2% Yield Strength PSI	1% Yield Strength PSI	Tensile Strength PSI	Elongation %						
001	38700		83200	57.0	82.0		OK	2000	OK	1960
002	39500		85800	53.0	82.0		OK	2000	OK	1960
003	48400		90700	48.0	86.0		OK	1200	OK	1960
004	38900		80600	52.0	78.0		OK	2100	OK	1960
005	43800		86600	52.0	81.0		OK	1900	OK	1960
006	41500		81900	54.0	82.2		OK	1400	OK	1960

**Remarks**

PREMATERIAL : WELDED PIPE A312  
 HARDNESS : NACE MR 0175-94 O.K.  
 ASTM A262 PRACTICE E: GUARANTEED  
 PMI TESTED : O.K.

QUALITY ASSURANCE APPROVAL

09. Mai 1997

SANTRADE LTD LUCERNE

We hereby certify the above statement to be true and correct every detail

TA CHEN STAINLESS PIPE CO., LTD.

*George Yang*  
 Manager of Inspection Section