NF A49-249-80 STEEL TUBES LONGITUDINALLY WELDED PLAIN END TUBES FOR FOOD INDUSTRY AUSTENITIC STAINLESS STEELS

1. Chemical Composition

Grade	Mfg. Process	Chemical Composition (%)								
		C	Si	Mn	P	S	Ni	Cr	Mo	Others
TSZ6CN18-09	E	0.09Max	1.05Max	2.04Max	0.045Max	0.035Max	9~12.5	17~20.2	-	-
TSZ2CN18-10	E	0.030Max	1.05Max	2.04Max	0.045Max	0.035Max	9~12.5	17~20.2	-	-
TSZ2CND17-12	E	0.030Max	1.05Max	2.04Max	0.045Max	0.035Max	10.5~13.5	16~18.2	1.90~2.50	-
TSZ2CND17-11	E	0.08Max	1.05Max	2.04Max	0.045Max	0.035Max	10~12.65	16~18.2	1.90~2.50	-

2. Mechanical Properties

Grade	Tensile Test MPa or N/mm^2		Remarks (Similar to JIS)
	Min Yield point	Tensile Strength	
TSZ6CN18-09	190	510Min	(SUS304TBS)
TSZ2CN18-10	175	460Min	(SUS304LTBS)
TSZ2CND17-12	190	490Min	(SUS316LTBS)
TSZ2CND17-11	200	510Min	(SUS316LTBS)

JIS Number and Corresponding Foreign Standards

JIS			ASTM			BS			NF			Index Number
Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	
G3447	SUS		A270	TP304	SUS	1864	Gr.1	SUS	A49-249	TSZ6CN 8.09	SUS	C015
	304TBS	SUS										
	SUS		A270	TP304L	SUS				A49-249	TSZ2CN 8.10	SUS	
	30004LTBS	SUS										
	SUS		A270	TP316	SUS	1864	Gr.5	SUS	A49-248	TSZ2CND 17.11	SUS	
	316TBS	SUS				"	Gr.6	SUS				
	SUS		A270	TP316L	SUS				A49-249	TSZ2CND 17.12	SUS	
	316LTBS	SUS										