



Chemical composition of stainless steel

Grade	UNS Number	Max C or range	Max Si	Max Mn	Max P	Max S	Cr	Ni	Mo	Other elements
303	S30300	0.15	1.00	2.00	0.200	0.150	17.00~19.00	8.00~10.00	Max 0.60	-
304	S30400	0.08	1.00	2.00	0.045	0.030	18.00~20.00	8.00~10.5	-	-
304L	S30403	0.03	1.00	2.00	0.045	0.030	18.00~20.00	8.00~12.00	-	N 0.1 max
304L	S30430	0.08	1.00	2.00	0.045	0.030	17.00~19.00	8.00~10.00	-	Cu 3.00/4.00
304N	S30451	0.03	1.00	2.00	0.045	0.030	18.00~20.00	8.00~12.00	-	N 0.10-0.16
316	S31600	0.08	1.00	2.00	0.045	0.030	16.00~18.00	10.00~14.00	2.00~3.00	-
316L	S31603	0.03	1.00	2.00	0.045	0.030	16.00~18.00	10.00~14.00	2.00~3.00	N 0.1 max
316N	S31651	0.08	1.00	2.00	0.045	0.030	16.00~18.00	10.00~14.00	2.00~3.00	N 0.10/0.16
316Ti	S31635	0.08	1.00	2.00	0.045	0.030	16.00~18.00	10.00~14.00	2.00~3.00	Ti=5x(C+N) Min.,0.70 Max
316H	S31609	0.04-0.10	1.00	2.00	0.045	0.030	16.00~18.00	10.00~14.00	-	Mo 2.00-3.00

Disclaimer: All details are given in good faith and have been carefully checked. The values listed above represent reasonable approximations suitable for general engineering use. Due to commercial variations in composition and to manufacturing limitations, they should NOT be used for specification purposes. Only the full mill certificate can be accepted as accurate information regarding the properties of the metal supplied by TLM.



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