

Chemical Properties of Frequently-used Stainless Steel Grade

UNS	ASTM	EN	JIS	C%	Mn%	P%	S%	Si%	Cr%	Ni%	Mo%
S20100	201	1.4372	SUS201	≤0.15	5.5-7.5	≤0.06	≤0.03	≤1.00	16.0-18.0	3.5-5.5	-
S20200	202	1.4373	SUS202	≤0.15	7.5-10.0	≤0.06	≤0.03	≤1.00	17.0-19.0	4.0-6.0	-
S30100	301	1.4319	SUS301	≤0.15	≤2.00	≤0.045	≤0.03	≤1.00	16.0-18.0	6.0-8.0	-
S30400	304	1.4301	SUS304	≤0.08	≤2.00	≤0.045	≤0.03	≤0.75	18.0-20.0	8.0-10.5	-
S30403	304L	1.4306	SUS304L	≤0.03	≤2.00	≤0.045	≤0.03	≤0.75	18.0-20.0	8.0-12.0	-
S30908	309S	1.4833	SUS309S	≤0.08	≤2.00	≤0.045	≤0.03	≤0.75	22.0-24.0	12.0-15.0	-
S31008	310S	1.4845	SUS310S	≤0.08	≤2.00	≤0.045	≤0.03	≤1.50	24.0-26.0	19.0-22.0	-
S31600	316	1.4401	SUS316	≤0.08	≤2.00	≤0.045	≤0.03	≤0.75	16.0-18.0	10.0-14.0	2.0-3.0
S31603	316L	1.4404	SUS316L	≤0.03	≤2.00	≤0.045	≤0.03	≤0.75	16.0-18.0	10.0-14.0	2.0-3.0
S31703	317L	1.4438	SUS317L	≤0.03	≤2.00	≤0.045	≤0.03	≤0.75	18.0-20.0	11.0-15.0	3.0-4.0
S32100	321	1.4541	SUS321	≤0.08	≤2.00	≤0.045	≤0.03	≤0.75	17.0-19.0	9.0-12.0	-
S34700	347	1.455	SUS347	≤0.08	≤2.00	≤0.045	≤0.03	≤0.75	17.0-19.0	9.0-13.0	-
S40500	405	1.4002	SUS405	≤0.08	≤1.00	≤0.04	≤0.03	≤1.00	11.5-14.5	≤0.60	-
S40900	409	1.4512	SUS409	≤0.08	≤1.00	≤0.045	≤0.03	≤1.00	10.5-11.75	≤0.50	-
S43000	430	1.4016	SUS430	≤0.12	≤1.00	≤0.040	≤0.03	≤0.75	16.0-18.0	≤0.60	-
S43400	434	1.4113	SUS434	≤0.12	≤1.00	≤0.040	≤0.03	≤1.00	16.0-18.0	-	-
S44400	444	1.4521	SUS444L	≤0.025	≤1.00	≤0.045	≤0.03	≤1.00	17.5-19.5	≤1.00	-
S40300	403	-	SUS403	≤0.15	5.5-7.5	≤0.04	≤0.03	≤0.50	11.5-13.0	≤0.60	-
S410000	410	1.40006	SUS410	≤0.15	≤1.00	≤0.035	≤0.03	≤1.00	11.5-13.5	≤0.60	≤1.00
S42000	420	1.4021	SUS420J1	0.16~0.25	≤1.00	≤0.04	≤0.03	≤1.00	12.0-14.0	≤0.75	≤1.00
S440A	440A	1.4028	SUS440A	0.60~0.75	≤1.00	≤0.04	≤0.03	≤1.00	16.0-18.0	-	≤0.75
S32750	SAD2507	1.441		≤0.03	≤1.2	≤0.035	≤0.02	≤0.80	24.0-26.0	6.0-8.0	3.0-5.0
S31803	SAF2205	1.4462		≤0.03	≤2.0	≤0.03	≤0.02	≤1.00	21.0-23.0	4.0-6.5	2.5-3.5
N08904	904L	1.4539		≤0.03	≤2.0	≤0.035	≤0.03	≤1.00	18.0-20.0	23.0-25.0	3.0-4.0