

# STAINLESS STEEL (SUS304)

## Chemical Composition (%)

C	Si	Mn	P	S	Ni	Cr
≦0.080	≦1.00	≦2.00	≦0.045	≦0.030	8.00~10.50	18.00~20.00

## Specification

\* The results of each item are reference values.

\* "-" in each item means that it cannot be measured or has not been measured.

SUS304-H	Thickness Tolerance mm		Hardness HV		Tensile Strength N/mm <sup>2</sup> (MPa)		Elongation %		Surface Roughness(Rz) μm	
	mm	Specification	Result	Specification	Result	Specification	Result	Specification	Result	Result
0.002	±0.0005	0.00205	-	-	-	-	-	-	-	-
0.003	±0.0005	0.00288	-	-	-	-	-	-	-	-
0.005	±0.0005	0.0054	-	-	-	-	-	-	-	-
0.006	-0/0.001	0.0069	-	-	-	-	-	-	-	-
0.007	±0.0010	0.0073	-	-	-	-	-	-	-	-
0.008	±0.0010	0.0084	-	-	-	-	-	-	-	-
0.009	±0.0010	0.0087	-	-	-	-	-	-	-	-
0.010	±0.0010	0.0107	-	-	-	-	-	-	-	-
0.015	±0.0015	0.0155	-	398	-	-	-	-	-	-
0.020	±0.0020	0.0203	≧370	398	-	1217	-	2.9	≧1.00	0.70
0.025	±0.0020	0.0254	≧370	424	-	1316	-	2.3	≧1.00	0.46
0.030	±0.0020	0.0305	≧370	394	-	1174	-	4.1	≧1.00	0.55
0.035	±0.003	0.036	≧370	423	-	-	-	-	-	-
0.040	±0.003	0.041	≧370	429	-	1280	-	4.2	-	-
0.045	±0.004	0.046	≧370	406	-	1277	-	6.9	-	-

0.050	±0.004	0.051	≅ 370	397	-	1168	-	13.1	-	-
0.055	±0.004	0.056	≅ 370	395	-	1249	-	3.1	-	-
0.060	±0.005	0.062	≅ 370	408	-	1220	-	8.0	-	-
0.065	±0.004	0.066	≅ 370	408	-	1200	-	9.2	-	-
0.070	±0.005	0.071	≅ 370	398	-	1247	-	7.9	-	-
0.075	±0.005	0.076	≅ 370	392	-	1211	-	4.1	≅ 1.00	0.48
0.080	±0.005	0.082	≅ 370	403	-	1276	-	2.7	-	-
0.085	±0.006	0.086	≅ 370	389	-	-	-	-	-	-
0.090	±0.007	0.091	≅ 370	375	-	1203	-	6.7	≅ 1.00	0.54
0.095	±0.007	0.096	≅ 370	379	-	1205	-	7.3	≅ 1.00	0.47
0.100	±0.010	0.103	≅ 370	380	-	1129	-	21.0	-	-