ANALYSES - ASTM STANDARD GRADES AVAILABLE

Analysis	304	304L	310	316	316L	317L	321	347
C	.08 Max	.035 Max	.08 Max	.08 Max	.035 Max	.035 Max	.08 Max	.10 Max
Mn	2.00 Max	2.00 Max	2.00 Max	2.00 Max	2.00 Max	2.00 Max	2.00 Max	2.00 Max
P	.04 Max	.04 Max	.045 Max	.04 Max	.04 Max	.04 Max	.04 Max	.04 Max
S	.03 Max	.03 Max	.03 Max	.03 Max	.03 Max	.03 Max	.03 Max	.03 Max
Si	.75 Max	.75 Max	.75 Max	.75 Max	.75 Max	.75 Max	.75 Max	.75 Max
Cr	18.0/20.0	18.0/20.0	24.0/26.0	16.0/18.0	16.0/18.0	18.0/20.0	17.0/20.0	17.0/19.0
Ni	8.0/10.5	8.0/12.0	19.0/22.0	11.0/14.0	10.0/14.0	11.0/15.0	9.0/12.0	9.0/13.0
Cu	.50 Max	.50 Max	-	.50 Max	.50 Max	.50 Max	.50 Max	.50 Max
Other	**N:** .10 **Mo:** .50 Max	**N:** .10 **Mo:** .50 Max	**N:** .10 **Mo:** .50 Max	**N:** .10 **Mo:** 2.0/3.0	**N:** .10 **Mo:** 2.0/3.0	**Mo:** 3.0/4.0	**N:** .10 **Ti:** 5xC Min 0.70 Max	**Cb+Ta:** 10xC Min 1.0 Max

Analysis	Monel 400	Monel 500	Alloy 625	Alloy 718	Alloy 825	C22*	C276*
C	.30 Max	.25 Max	.10 Max	.08 Max	.05 Max	.015 Max	.01 Max
Mn	2.0 Max	1.5 Max	.50 Max	.35 Max	1.0 Max	.50 Max	1.00 Max
S	.024 Max	.01 Max	.015 Max	.015 Max	.03 Max	.01 Max	.03 Max
Si	.50 Max	.50 Max	.50 Max	.35 Max	.50 Max	.08 Max	.08 Max
Ni+Co	63.0 Max	63.0/70.0	Balance	50.0/55.0	38.0/46.0	Balance	Balance
Cr	-	-	20.0/23.0	17.0/21.0	19.5/23.5	20.0/22.5	14.5/16.5
Ti	-	.35/.85	.40 Max	.65/1.15	.60/1.2	-	-
Cb+Ta	-	-	3.15/4.15	4.75/5.50	-	-	-
Al	-	2.3/3.15	.40 Max	.20/.80	0.2 Max	-	-
Fe	2.5 Max	2.00 Max	5.0 Max	Balance	22.0 Min	2.0/6.0	4.0/7.0
Mo	-	-	8.0/10.0	2.8/3.30	2.5/3.5	12.5/14.5	15.0/17.0
Cu	28.0/34.0	Balance	-	.30 Max	1.5/3.0	-	-
Other	-	-	**P:** .015 Max	-	-	**Co:** 2.5 Max **P:** .025 Max **V:** .35 Max **W:** 2.5/3.5	**Co:** 2.5 Max **P:** .04 Max **V:** .35 Max **W:** 3.0/4.5