

## EGO Stainless Steel Tubes

Materials of EGO stainless steel tubes (examples)

### Material analysis

Material No.	US-designation	C % ≤	Si % ≤	Mn % ≤	P % ≤	S % ≤	Cr %	Mo %	Ni %	Cu %	Other %
1.0338	A 620	0.08	-	0.40	0.030	0.030	-	-	-	-	-
1.4016	AISI 430	0.08	1.00	1.00	0.040	0.030	16.0-18.0	-	-	-	-
1.4301	AISI 304	0.07	1.00	2.00	0.045	0.030	17.0-19.5	-	8.0-10.5	-	N ≤ 0.11
1.4306	AISI 304L	0.03	1.00	2.00	0.045	0.030	18.0-20.0	-	10.0-12.0	-	N ≤ 0.11
1.4401	AISI 316	0.07	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	10.0-13.0	-	N ≤ 0.11
1.4404	AISI 316L	0.03	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	10.0-13.0	-	N ≤ 0.11
1.4406	AISI 316LN	0.03	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	10.0-12.0	-	N 0.12-0.22
1.4435	AISI 316L	0.03	1.00	2.00	0.045	0.030	17.0-19.0	2.5-3.0	12.5-15.0	-	N ≤ 0.11
1.4436	AISI 316	0.05	1.00	2.00	0.045	0.030	16.5-18.5	2.5-3.0	10.5-13.0	-	N ≤ 0.11
1.4439		0.03	1.00	2.00	0.045	0.015	16.5-18.5	4.0-5.0	12.5-14.5	-	N 0.12-0.22
1.4512	AISI 409	0.03	1.00	1.00	0.040	0.015	10.5-12.5	-	-	-	Ti6x% (C+N) ≤ 0.65
1.4521	AISI 443/444	0.025	1.00	1.00	0.040	0.015	17.0-20.0	1.8-2.5	-	-	N ≤ 0.030; Ti4(C+N)+0.15 ≤ 0.80
1.4529		0.02	0.50	1.00	0.030	0.010	19.0-21.0	6.0-7.0	24.0-26.0	0.50-1.50	N 0.15-0.25
1.4539	AISI 904L	0.02	0.70	2.00	0.030	0.010	19.0-21.0	4.0-5.0	24.0-26.0	1.20-2.00	N ≤ 0.15
1.4541	AISI 321	0.08	1.00	2.00	0.045	0.030	17.0-19.0	-	9.0-12.0	-	Ti(5x%C) ≤ 0.70
1.4571	AISI 316Ti	0.08	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	10.5-13.5	-	Ti(5x%C) ≤ 0.70
1.4828	AISI 309	0.20	1.50-2.50	2.00	0.045	0.030	19.0-21.0	-	11.0-13.0	-	(N ≤ 0.11)
1.4833	AISI 309S	0.15	0.75	2.00	0.035	0.015	22.0-24.0	-	12.0-14.0	-	(N ≤ 0.11)
1.4845	AISI 310S	0.15	0.75	2.00	0.045	0.015	24.0-26.0	-	19.0-22.0	-	(N ≤ 0.11)
1.4847	INCOLOY 840	0.08	1.00	1.00	0.030	0.015	18.0-22.0	-	18.0-22.0	-	Al ≤ 0.60; Ti ≤ 0.60
1.4876	INCOLOY 800	0.12	1.00	2.00	0.030	0.020	19.0-23.0	-	30.0-34.0	-	Al 0.15-0.60; Ti 0.15-0.60
2.4816	INCONEL 600	0.10	0.50	1.00	0.020	0.015	14.0-17.0	-	≤ 72.0	≤ 0.50	Al ≤ 0.30; B ≤ 0.006; Ti ≤ 0.30; Fe 6.0-10.0
2.4856	INCONEL 625	0.10	0.50	0.50	0.025	0.015	20.0-23.0	8.0-10.0	Remainder	≤ 0.50	Nb+Ta 3.15-4.15; Co ≤ 1.0; Al ≤ 0.40; Ti ≤ 0.40; Fe 3.0
2.4858	INCOLOY 825	0.025	0.50	1.00	0.025	0.015	19.5-23.5	2.5-3.5	38.0-46.0	1.5-3.0	Ti 0.60-1.20; Co ≤ 1.0; Al ≤ 0.20; Remainder Fe