



5510946 Faks
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INTERNATIONAL GRADE COMPARISONS AND CHEMICAL ANALYSIS

INTERNATIONAL COMPARISON OF GRADES						CHEMICAL ANALYSIS								
A.I.S.I	DIN	B.S.1449	UNS	SS	AFNOR	C MAX	Mn MAX	P MAX	S MAX	SI MAX	Cr	Ni	Mo	OTHER
410			S41000			0.15	1.00	0.040	0.030	1.00	11.50-13.50			
410S	1.4000		S41008											
405	1.4002	405 S17	S40500			0.08	1.00	0.040	0.030	1.00	11.50-14.50			A1 0.10-0.30
416	1.4005	416 S21	S41600	2380	Z 12 CF 13	0.15	1.25	0.060	0.150	1.00	12.00-14.00		0.60	
403	1.4006		S40300	2302	Z 12 C 13	0.15	1.00	0.040	0.030	0.50	11.50-13.00			
430	1.4016	430 S17	S43000	2320	Z 8 C 17	0.12	1.00	0.040	0.030	1.00	16.00-18.00			
420	1.4021	420 S37	S42000	2303	Z 20 C 13	0.15	1.00	0.040	0.030	1.00	12.00-14.00			
420	1.4034	420 S45		2304	Z 40 C 13	0.05	1.00	0.040	0.030	1.00	12.50-14.50			
431	1.4057	431 S29	S43100	2321	Z 15 CN 16 s	0.20	1.00	0.040	0.030	1.00	15.00-17.00	1.25-2.5		
434	1.4113	434 S17	S43400	2325	Z 8 CD 17.01	0.12	1.00	0.040	0.030	1.00	16.00-18.00			
302	1.4300		S30200		Z 10 CN 18.09	0.15	2.00	0.045	0.030	1.00	17.00-19.00	8.00-10.00	0.50	
304	1.4301	304 S15	S30400	2332	Z 6 CN 18.09	0.08	2.00	0.045	0.030	1.00	18.00-20.00	8.00-10.00		
304DDQ	1.4301	304 S16				0.06	2.00	0.045	0.030	1.00	17.50-19.00	9.00-11.00		
304H						0.04-0.10	2.00	0.045	0.030	1.00	18.00-20.00	8.00-11.00		
305	1.4303	305 S19	S30500		Z 8 CN 18.12	0.12	2.00	0.045	0.030	1.00	17.00-19.00	10.50-13.00		
303	1.4305	303 S31	S30300	2346	Z 10 CNF 18.09	0.12	2.00	0.060	0.350	1.00	17.00-19.00	8.00-10.00	0.70	
304L	1.4306	304 S11	S30403	2352	Z 2 CN 18.09	0.03	2.00	0.045	0.030	1.00	18.00-20.00	8.00-12.00		
301	1.4310	301 S21	S30100	2331	Z 12 CN 17.07	0.15	2.00	0.045	0.030	1.00	16.00-18.00	6.00-8.00		
(SAF2304)	1.4362		S32304	2327	Z 3 CN 23.04									
316	1.4401	316 S31	S31600	2347	Z 6 CN 17.11	0.08	2.00	0.045	0.030	1.00	16.00-18.00	10.00-14.00	2.00-3.00	
316H						0.04-0.10	2.00	0.045	0.030	1.00	16.00-18.00	10.00-14.00	2.00-3.00	
316L	1.4404	316 S11	S31603	2348	Z 2 CND 17.12	0.03	2.00	0.045	0.030	1.00	16.00-18.00	10.00-14.00	2.00-3.00	
316L	1.4435	316 S13	S331603	2353	Z 2 CND 17.13	0.03	2.00	0.045	0.030	1.00	17.00-18.50	12.50-15.00	2.50-3.00	
316	1.4436	316 S33	S31600	2347	Z 6 CN 17.11	0.07	2.00	0.045	0.025	1.00	16.50-18.50	11.00-14.00	2.50-3.00	
317L	1.4438	317 S12	S31703	2367	Z 2 CD 19.15	0.03	2.00	0.045	0.030	1.00	18.00-20.00	11.00-15.00	3.00-4.00	
317LNM	1.4439		S31726		Z 3 CD 18.14.05	0.03	2.00	0.045	0.030	1.00	16.50-18.50	12.50-14.50	4.00-5.00	(N-0.12-0.22)
317	1.4449	317 S16	S31700			0.08	2.00	0.045	0.030	1.00	18.00-20.00	11.00-20.00	3.00-4.00	
329	1.4460		S32900	2324		0.10	2.00	0.040	0.030	1.00	25.00-30.00	3.00-6.00	1.00-2.00	
(SAF2205)	1.4462	318 S13	S31803	2377	Z 3 CND 22.05	0.03	2.00	0.030	0.020	1.00	21.00-23.00	4.50-6.50	2.50-3.50	(N 0.08-0.20)
430TI	1.4510				Z 8 CT 17	0.05	1.00	0.040	0.030	1.00	16.00-18.00			(Ti 7% C at 1.2)
409	1.4512	409 S19	S40900		Z 6 CT 12	0.08	1.00	0.045	0.045	1.00	10.50-11.75			(Ti 6% Cmin/0.75)
904L	1.4539	904 S13	N08904	2562	Z 1 NCDU 25.20	0.02					19.00-21.00	24.00-26.00	4.00-5.00	(Cu 1.00-2.00)
321	1.4541	321 S31	S32100	2337	Z 6 CNT 18.10	0.08	2.00	0.045	0.030	1.00	17.00-19.00	9.00-12.00		(Ti 5% Cmin)
347	1.4550	347 S31	S34700	2338	Z 6 CNNb 18.10	0.08	2.00	0.045	0.030	1.00	17.00-19.00	9.00-13.00		(Cb+Ta 10% Cmin)
316TI	1.4571	320 S31	S31635	2350	Z 6 CNDT 17.12	0.08	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	5(C+N)min 0.7 max
316LXK	1.4573	320 S33				0.08	2.00	0.045	0.030	1.00	16.50-18.50	11.50-14.50		Ti 5C/0.8
309	1.4828	309 S24	S30900		Z 15 CNS 20.12	0.15	2.00	0.045	0.030	1.00	22.00-25.00	13.00-16.00		
309S	1.4833	309 S16	S30908		Z 15 CN 24.13	0.08	2.00	0.045	0.030	1.00	22.00-24.00	12.00-15.00		
310	1.4841	310 S24	S31400		Z 12 CN 25.20	0.15	2.00	0.045	0.030	1.00	23.00-26.00	19.00-22.00		
310S	1.4845	310 S24	S31008	2361	Z 12 CN 25.20	0.08	2.00	0.045	0.030	1.50	24.00-26.00	19.00-22.00		
201						0.15	5.50-7.50	0.060	0.030	1.00	16.00-18.00	3.50-5.50		N 0.25
202						0.15	7.50-10	0.060	0.030	1.00	17.00-19.00	4.00-6.00		N 0.25
3CR12						0.03	1.50	0.040	0.030	1.00	11.00-12.00	1.50		Ti 0.6max