Table 4 — Chemical composition (cast analysis) of ferritic corrosion resistant steels

Steel designation		% by mass [a]										
Name	Number	C	Si	Mn	P	S	Cr	Ni	Mo	N	Ti	Others
Standard grades												
X2CrNi12	1.4003	0,030	1,00	2,00	0,040	0,030 [b]	10,5 to 12,5	0,30 to 1,00	-	0,030	-	-
X6Cr13	1.4000	0,08	1,00	1,00	0,040	0,030 [b]	12,0 to 14,0	-	-	-	-	-
X6Cr17	1.4016	0,08	1,00	1,00	0,040	0,030 [b]	16,0 to 18,0	-	-	-	-	-
X6CrMoS17	1.4105	0,08	1,50	1,50	0,040	0,15 to 0,35	16,0 to 18,0	-	0,20 to 0,60	-	-	-
X6CrMo17-1	1.4113	0,08	1,00	1,00	0,040	0,030 [b]	16,0 to 18,0	-	0,90 to 1,40	-	-	-
X2CrMoSiS18-2-1	1.4106	0,030	2,00	1,00	0,040	0,25 to 0,35	17,0 to 19,0	-	1,00 to 2,50	-	-	-
Special grades												
X3CrS12	1.4045	0,06	2,00	1,50	0,040	0,15 to 0,35	11,0 to 13,0	-	1,00	-	-	-
X2CrTi17	1.4520	0,025	0,50	0,50	0,040	0,015 [b]	16,0 to 18,0	-	-	0,015	[4 × (C+N) + 0,15] to 0,80 [c]	-
X3CrNb17	1.4511	0,05	1,00	1,00	0,040	0,030 [b]	16,0 to 18,0	-	-	-	-	Nb: 12 × C to 1,00
X2CrTiNb18	1.4509	0,030	1,00	1,00	0,040	0,015 [b]	17,5 to 18,5	-	-	-	0,10 to 0,60	Nb: [(3 × C) + 0,30] to 1,00
X2CrTi21 *	1.4611 *	0,030	1,00	1,00	0,050	0,050 [b]	19,0 to 22,0	0,50	0,50	-	[4 × (C+N) + 0.20] to 1,00 [c]	Al: 0,050 Cu: 0,50
X2CrNbCu21	1.4621	0,030	1,00	1,00	0,040	0,015	20,0 to 21,5	-	-	0,030	-	Cu: 0,10 to 1,00 Nb: [7× (C + N) + 0,10] to 1,00
X2CrTi24 *	1.4613 *	0,030	1,00	1,00	0,050	0,050	22,0 to 25,0	0,50	0,50	-	[4 × (C+N) + 0.20] to 1.00 [c]	Al:0,050 Cu: 0,50
X6CrMoNb17-1	1.4526	0,08	1,00	1,00	0,040	0,015	16,0 to 18,0	-	0,80 to 1,40	0,040	-	Nb: [7× (C + N) + 0,10] to 1,00