

Prices valid from 2022-10-01

rev. 13

The analysis are according to valid ASTM-methods

Material	Procedure	Dimension	Element	Price Euro
Steel				
Fe1	Complete Steel analysis, best method incl C+S+N	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, N, Sn, W, V, Al, Ta, Ca, B, As, Fe	265
Fe2	Complete Steel analysis, best method incl C+S, not N	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, Sn, W, V, Al, Ta, Ca, B, As, Fe	235
Fe3	Cast iron, ductile iron white, Leco C	solid sample min 15 mm diameter, min 2 mm height	C, Si, Mn, P, Cr, Ni, Mo, Ti, Cu, Co, Sn, W, V, Al, Ta, Ca, B, As, Fe	153
Fe4	Cast iron, ductile iron white, Leco C+S	solid sample min 15 mm diameter, min 2 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Cu, Co, Sn, W, V, Al, Ta, Ca, B, As, Fe	174
Fe5	Cast iron, ductile iron grey, Leco C+S	solid sample min 15 mm diameter, min 2 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Cu, Co, Sn, W, V, Al, Ta, Ca, B, As, Fe	226
Fe6	Cast iron, ductile iron Mg	solid sample min 15 mm diameter, min 2 mm height	Mg	51
Fe7	Cast iron grey, ductile iron		Remelting to white structure	58
Fe8	Low alloyed steel OES Leco C+S	solid sample min 15 mm diameter, min 2 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, Sn, W, V, Al, Ta, Ca, B, As, Fe	158
Fe9	Low alloyed steel OES Leco C+S+N	solid sample min 15 mm diameter, min 2 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, Sn, W, V, Al, Ta, Ca, B, As, Fe, N	227
Fe10a	One element from Fe1 - Fe9 (excl C, S and N)			51
Fe10b	One more element according to Fe10a (excl C, S and N)			11
Fe11	Extra sample preparation		Remelting, cutting ... To get samples to fit instruments	58
Fe12	Free C		Cast iron, ductile iron	58
Fe13	C, Carbon		Leco C	38
Fe14	S, Sulfur		Leco S	34
Fe15	N, Nitrogen		N	69
Fe16	O, Oxygen	solid sample min 15 mm diameter, min 2 mm height	O incl sample preparation	109
Fe17	H, Hydrogen	solid sample min 15 mm diameter, min 2 mm height	H (do you need mobile hydrogen, both free and total Hydrogen + Euro 58)	157
Fe18	Trace elements Pb, Bi, Zn, Ag		For each trace element	58
Fe19	Surface carbon			79

Cu1	Analysis Cu-alloys, Brass, Bronze	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	Al, Si, P, Mn, Fe, Ni, Zn, Sn, Sb, Pb, Cu, Cr, As, Mg, Bi	120
Cu2	Analysis pure Cu incl S, Sulphur	solid sample min 20 mm diameter, min 2 mm height	Cu, Fe, Mn, Cr, Ni, Zn, Pb, Sn, P, Sb, Bi, Cd, Co, S, Ag, As, Se, Te, Zr	235
Cu3	N, Nitrogen		N	69
Cu4	H, Hydrogen		H	157
Cu5	O, Oxygen		O incl sample preparation	152
Cu6a	One element from Cu1			51
Cu6b	One more element according to Cu6a			11
Cu7	Surface carbon			72
Cu8	Extra sample preparation	Remelting, cutting ... To get samples to fit instruments		58

Ti1	Analysis Ti-base	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	Si, Al, Cr, Sn, V, Fe, Cu, Mo, Mn, Nb, Ta, Zr, Ni, Pd, Ti,	112
Ti2	O, Oxygen		O	109
Ti3	N, Nitrogen		N	77
Ti4	H, Hydrogen		H	157
Ti5	C, Carbon		C	38

Al1	Analysis Al-base	solid sample min 20 mm diameter, min 2 mm height	Al, Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, V, Pb, Sn, B, Be, Na, Li, Ca, Zr, Ga, P	120
Al2	C, Carbon	solid sample min 15 mm diameter, min 2 mm height	C	38
Al3	O, Oxygen	solid sample min 15 mm diameter, min 2 mm height	O	109
Al4	H, Hydrogen	solid sample min 15 mm diameter, min 2 mm height	H	157

Ni1	Complete analysis Nickel base, incl C+S+N	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, N, W, V, Al, Zr, Fe	251
Ni2	Complete analysis Nickel base, incl C+S, not N	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, W, V, Al, Zr, Fe	184
Ni3a	One element from Ni1 - Ni2 (excl C, S and N)			51
Ni3b	One more element according to Ni3a (excl C, S and N)			11
Ni4	Extra sample preparation		Remelting, cutting ... To get samples to fit instruments	58
Ni5	C, Carbon		Leco C	38
Ni6	S, Sulfur		Leco S	34
Ni7	N, Nitrogen		N	69
Ni8	O, Oxygen	solid sample min 15 mm diameter, min 2 mm height	O	109
Ni9	H, Hydrogen	solid sample min 15 mm diameter, min 2 mm height	H	157
Ni10	Trace element Pb, Bi, Zn, Ag		For each trace element	58
Ni11	Surface carbon			79

Co1	Complete analysis Cobalt base incl C+S+N	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, N, W, V, Al, Zr, Fe	251
Co2	Complete analysis Cobalt base, incl C+S, not N	solid sample min 30x30 mm, max 40x40mm, 2-30 mm height	C, Si, Mn, P, S, Cr, Ni, Mo, Ti, Nb, Cu, Co, W, V, Al, Zr, Fe	184
Co3a	One element from Co1 - Co2 (excl C, S and N)			51
Co3b	One more element according to Co3a (excl C, S and N)			11
Co4	Extra sample preparation		Remelting, cutting ... To get samples to fit instruments	58
Co5	C, Carbon		Leco C	38
Co6	S, Sulfur		Leco S	34
Co7	N, Nitrogen		N	69
Co8	O, Oxygen	solid sample min 15 mm diameter, min 2 mm height	O	109
Co9	H, Hydrogen	solid sample min 15 mm diameter, min 2 mm height	H	157
Co10	Trace element Pb, Bi, Zn, Ag		For each trace element	58

Ox1	Slag samples	Min 10 g	CaO, MgO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , MnO, Cr ₂ O ₃ , V ₂ O ₅ , TiO ₂ , Nb ₂ O ₅ , NiO, Na ₂ O, K ₂ O, F, P ₂ O ₅ , SO ₃ , Bas, incl grinding	127
Ox2	Semi-quantitative analysis	Min 10 g	As element or oxides, concentrations higher then 0,1 % elements from Al to U	136
Ox3	Semi-quantitative analysis	Min 10 g	Concentrations 0,001-0,1 % extra/element	11
Ox4	Minerals	Min 10 g		Request price
Ox5	Iron ore	Min 10 g	Al ₂ O ₃ , CaO, Cr ₂ O ₃ , Fe, K ₂ O, MgO, Mn, Na ₂ O, NiO, P, S, SiO ₂ , V ₂ O ₅ , TiO ₂	115
Ox6	Iron ore + Phase separation	Min 10 g	Same as Ox5 + phases	282

Other1	Carbon separation, TOC, TIC, TC	Min 5 g	Org C, Amorphic, graphite, carbonate, carbide, temp interval 100-1000 °C	165
Other2	TOC	Min 5 g	Org carbon + elementary carbon 850 °C	93
Other3	DOC	Min 5 g	Org carbon + elementary carbon 850 °C	93
Other4	Moistue	Min 5 g	120 °C	38
Other5	Moisture+OH/Crystal water	Min 5 g	100-1000 °C	93
Other6	LOI	Min 5 g	1000 °C	38
Other7	Radioactivity	Solid, powder	Gamma radiation	58
Other8	PMI at customer place		Travel cost + working hour	Request price
Other9	PMI on samples at lab		Confirm material	44
Other10	Density	Min 100 cm ³	Pycnometry	88
Other11	Diffraction	min 5 g	XRD, diffractogram incl evaluation	325
Other12	Volatile matter	Min 10 g	C < 600C or weight decrease after 900 C under Ar.	93
Other13	Grade match		Grade match from chemical analysis	28
Other14	SEM		Microscopic investigation/h	325
Other15	EDS		Microscopic analysis	119

Ferroalloy1	FeCr	Min 50 g	C, Si, P, S, Cr,incl sample prep	244
Ferroalloy2	FeCr + O	Min 50 g	C, Si, P, S, Cr, O incl sample prep	352
Ferroalloy3	FeCr + O + Al	Min 50 g	C, Si, P, S, Cr, O, Al, incl sample prep	402
Ferroalloy4	FeCr + N	Min 50 g	C, Si, P, S, Cr, N incl sample prep	312
Ferroalloy5	Cr-metall	Min 50 g	C, Si, P, S, Cr, incl sample prep	244
Ferroalloy6	FeSi	Min 50 g	Si, Al, Ca, Ti, P, Mn, Cr, C, incl sample prep	240
Ferroalloy7	FeTi	Min 50 g	Al, Pb, Bi, Ti, C incl sample prep	271
Ferroalloy8	FeV	Min 50 g	C, S, P, Si, Al, V incl sample prep	244
Ferroalloy9	FeMo	Min 50 g	C, S, P, Si, Mo, Cu incl sample prep	244
Ferroalloy10	FeMo +O	Min 50 g	C, S, P, Si, Mo, Cu, O incl sample prep	352
Ferroalloy11	FeMn	Min 50 g	Mn, C, Si, P, S incl sample prep	244
Ferroalloy12	Sampling ferroalloys		According to ASTM E32-15	Request price

Contact us if you do not find your application.

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