

Prices for Tests of Solid Fuels, Waste Products and other samples
Prices that may differ depending on type and characteristics of the sample

#	Code	Parameters to be tested and/or kind of work	Standard	Price (EUR; VAT not included)				
				Heat pellet	Heat briquette	Wood chips, ash	Waste products (incl. SRF)	
1	SP	Preparation of a sample for testing [may not be necessary; prices are approximate, correspond to statistically average sample - applied as necessary, depending on the particular sample];	Proportionality provision			9,84	12,02	
2	SM		Manual shredding (up to 5 min.)		6,56	6,56	9,84	
3	SS		Milling with laboratory equipment (for each 150g)		17,49	17,49	28,42	
4	SH		Homogenization		9,84		9,84	12,02
5	SD		Drying (for each 500g of sample)		6,56	6,56	9,84	14,21
6	SA		Ashing (for each 500g of sample)		9,84	9,84	12,02	14,21
7	SC		Combustion in a closed vessel		12,02	12,02	12,02	12,02
8	Dry ₁	Particle size distribution for uncompressed fuels (Dry Sieve test; several sieve/hole sizes available; F is included when Dry ₂ is ordered)	Price for each 1000g of particles with sizes up to 63mm			25,14	25,14	
9	Dry ₂		Price for each 300g of particles with sizes up to 3,15mm			25,14	25,14	
10	M	Moisture content		10,93	10,93	21,86	21,86	
11	BD	Bulk density		6,56		12,02	14,21	
12	ρ	Density	* ISO 18847		8,74			

Prices that are equal for all types of samples

#	Code	Parameters to be tested and/or kind of work	Standard	Price (EUR; VAT not included)			
1		Sample registration and 7 day storage, documentation, sending of the test results. Test results and invoices are sent by e-mail as a digitally signed PDF files. (Applied to each sample)	LVS EN ISO/IEC 17025	9,84			
2	A	Ash content (at T=550 °C or at T=815 °C; should be ordered together with moisture determination (M))	LVS EN ISO 18122	13,12			
3	V	Volatile matters content (should be ordered together with moisture determination (M))	LVS EN ISO 18123	16,40			
4	Q	Gross and Net calorific values (should be ordered together with moisture determination (M))	EN ISO 18125	47,00			
5	DU	Mechanical durability of heat pellets	LVS EN ISO 17831-1	27,33			
6	F	Fines content in samples of pellets (<3.15 mm or other size; for samples with weight above 6kg surcharge of EUR 1.50 for each kg above 6kg)	LVS EN ISO 18846	14,21			
7	Wet	Particle size distribution of disintegrated pellets (Wet Sieve test)	LVS EN ISO 17830	28,42			
8	AFT	Ash melting behaviour in oxidizing atmosphere	LVS CEN/TS 15370-1	36,69			
9	D	Diameter of pellets (average)	LVS EN ISO 17829	6,56			
10	L ₁	Length of pellets (content of pellets with length more than 40/45/50 and/or max. length)	LVS EN ISO 17829	14,00			
11	L ₂	Length of pellets (average and distribution within intervals)	LVS EN ISO 17829	19,67			
12	Fl	Fluorine (F) content	* LVS EN ISO 16994	25,14			
13	N	Nitrogen (N) content	LVS EN ISO 16948	36,07			
14	O	Oxygen (O) content. Should be ordered together with tests with codes CHN, SCl and A.	LVS EN ISO 16993	5,00			
15	CHN	Carbon (C), Hydrogen (H) and Nitrogen (N) content. Determined together and can be ordered only together.	LVS EN ISO 16948	60,12			
16	SCl	Sulfur (S) content and Chlorine (Cl) content. Determined together and can be ordered only together.	LVS EN ISO 16994 LVS EN ISO 16968 ISO/TS 16996	43,72	K1 88,53	K2 101,65	K3 115,86
17	T1	Content of heavy metals As, Cd, Cr, Cu, Hg, Ni, Pb, Zn (arsenic, cadmium, chrome, copper, mercury, nickel, lead and zinc)	LVS EN ISO 16968	56,84			
18	T2	Content of elements: Al, Ca, Fe, K, Mg, Mn, Na, P, Si, Ti (aluminum, calcium, iron, potassium, magnesium, manganese, sodium, phosphorus, silicon and titanium)	ISO/TS 16996	56,84			
19	T3	Enlargement of the T1 test with content determination of Br, I, Se un T1 or enlargement of the T2 test with content determination of Ba, Co, Mo, Sh, Sn un V or enlargement of the respective tests (T1 or T2) by determining content of up to any 6 elements with periodic system numbers from 21 līdz 92 (according to client request). Can be ordered only together with corresponding T1 and/or T2 tests.	LVS EN ISO 16968 ISO/TS 16996	10,93			
20	TO	Expression of the results of the T2 test in form of oxides (Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, MnO, Na ₂ O, P ₂ O ₅ , SiO ₂ un TiO ₂)		10,93			
21	TS	Sand content in the ash (determined and calculated as sum of contents of SiO ₂ un Al ₂ O ₃)	* LVS EN 15309	43,72			
22	BO	Biomass oil residue content (for example, in husk pellet) determination by extraction	* ISO 734	37,16			
23	Cs	Determination of the specific radioactivity of the nuclide ¹³⁷ Cs - Cesium 137 (in accordance of both - the indicated standard and the rules of the cabinet of ministers of the republic of Latvia # 576; should be ordered together with M)	LVS EN ISO 19581	31,70			
24	BC	Biomass content in SRF (Solid Recovered Fuel). Expressed as percentage If the sample contains both fine (below 10mm) and of biogenic carbon in total carbon. Selective dissolution method. Suitable rough (above 10mm) fractions, two samples should be tested mainly for the coarse/rough fraction.	LVS EN ISO 21644	63,00			
25	WM	Waste composition / morphology% (usually only for coarse/rough fraction; for samples up to 10 kg; manual method)	LVS EN ISO 21644	71,00			
26	Ph	Phenol (Ph) content	* ISO 6439	25,14			
27	TDS	Total dissolved solids content (TDS)	LVS EN ISO 15216; LVS EN ISO 12457-1	28,42			
28	pH	pH (potential of Hydrogen)	LVS EN 13037	11,00			
29	ec	Electrical conductivity	* LVS EN 13037	11,00			
30	LT	Leaching test in accordance with the "Regulations of Waste Landfills" (Regulations No. 1032) and corresponding standards	LVS EN 12457-1 LVS EN 12457-2	156,00			
31	PM	Determination of the waste morphology in accordance with the rules of the Cabinet of Ministers of the Republic of Latvia #1032. At the address in Latvia indicated by the Customer.	rules of the Cabinet of Ministers of the Republic of Latvia #1032	from 330,00			
32	SRF	Compliance of RDF/SRF (Refuse derived fuel / Solid recovered fuel) to the defined criteria (the price is calculated as the sum for the tests/compliance parameters customer has chosen)	LVS EN 12457	from 39,00			
33	AD	Determination of moisture content of fuel mixture - Axiotropic distillation with toluene	LVS EN 15934	> 28,00			
34	KCl	Preparation of the extract by extraction with KCl or CaCl ₂	* LVS ISO 10390	22,95			
35	EP	Preparation and evaporation of the eluate	LVS EN 16192 ; LVS EN 12457-1; LVS EN 12457-2	21,00-70,00			
36	EK	Preparation of aqua regia extract	* LVS EN ISO 11466; MK not. Nr. 506	69,95			
37	E	Content of chemical elements in the eluate (price to be calculated as the sum of the tests/parameters selected by customer, eluate preparation (EP) mandatory)	LVS EN 16192	from 39,00			
38	ST	Sampling on site (taking representative and proportional sample from the site in Latvia indicated by the customer; delivery of the sample to the laboratory for testing; sampling protocol from an accredited laboratory is issued)	LVS EN ISO 21645	from 160,00			
39	NH	Total content of nitrogen (N) in the dry matter (g/kg); determination of ammonium nitrogen and NOx also possible (N-NH ₄ ; prices differ)	* LVS EN ISO 16994	28,42			
40	DOC	DOC - Diluted Organic Carbon content (eluate preparation and evaporation + CHN)		no 74			
41	DOS	DOS - Diluted Organic Substances content (eluate preparation and evaporation + 2*CHN)	LVS EN ISO 12457-1,2; LVS EN ISO 16948	from 104,00			
42		Testing for other parameters and research	-	By mutual agreement			
43		Consulting and other services (opinions, conclusions, statements, etc.)	-				
44	Con	Consulting by phone on the application and interpretation of tests, the influence of various factors on the parameters, etc. (10 minutes; short consultations are usually free - call!)		10,93			
45	Dok	Preparation of a Test Report or Invoice in hard copy or other form according to client request		11,00			
46	Upd	Making editorial corrections to the test report, invoice etc. (e.g. changing the Customer's reference or other information provided by the Customer) and reissuing it according to client request. Preparation/approval of a deed of transfer.		26,00			

Notices: * -The method is not accredited (if text in the column "Standard" behind with an asterisk - "*")

-- When the parameters of calorific value (Q), volatile matter (V), ash content (A) or radioactivity (Cs) as well as any parameters for "Dry material" are ordered, the determination of moisture content (M) is also required and is added to such orders

-- Delivery time for testing results depend on the backlog and is usually 2 to 5 working days. **Rush orders possible.**

-- Testing options always depend on the characteristics of the sample.