

**Prices for Tests of Solid Fuels, Waste Products and other samples**

#	Code	Parameters to be tested and/or kind of work	Standad	Price (EUR; VAT not included)				
				Heat pellet	Heat briquette	Wood chips, ash	Waste products (incl. SRF)	
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	9,00				
2	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]; when ordering M (moisture content determination), drying is not needed when ordering A (ash content determination), ashing is not needed	Proportionality provision	LVS EN ISO 14780		9,00	11,00	
3	SM		Manual shredding (10 min.)	LVS EN ISO 14780	6,00	6,00	9,00	
4	SS		Shredding/milling with special laboratory equipment	LVS EN ISO 14780	16,00	16,00	26,00	
5	SH		Homogenization	LVS EN ISO 14780	9,00	9,00	11,00	
6	SD		Drying	LVS EN ISO 18134-1	6,00	6,00	9,00	13,00
7	SA		Ashing	LVS EN ISO 18122	9,00	9,00	11,00	13,00
8	SC		Combustion in a closed vessel	LVS EN ISO16994	11,00	11,00	11,00	11,00
9	Dry		Particle size distribution for uncompressed fuels (Dry Sieve test; several sizes available on request)	for samples with weight above 6kg surcharge of EUR 1,50 for each kilogram above 6kg is applied	LVS EN ISO 17827-1 LVS EN ISO 17827-2	13,00		23,00
10	M	Moisture content		LVS EN ISO 18134-1	10,00	10,00	20,00	20,00
11	BD	Bulk density or density		LVS EN ISO 17828	6,00	8,00	11,00	13,00
<b>Prices that are given below are equal for all types of samples</b>								
10	A	Ash content (at T=550 °C or at T=815 °C; should be ordered together with moisture determination (M))		LVS EN ISO 18122	12,00			
11	Q	Gross and Net calorific values (should be ordered together with moisture determination (M))		EN ISO 18125	43,00			
12	DU	Mechanical durability of heat pellets		LVS EN ISO 17831-1	25,00			
13	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	13,00			
14	Wet	Particle size distribution of disintegrated pellets (Wet Sieve test)		LVS EN ISO 17830	26,00			
15	AFT	Ash melting behaviour in oxidizing atmosphere		LVS CEN/TS 15370-1	33,00			
16	D	Diameter of pellets		LVS EN ISO 17829	6,00			
17	L	Length of pellets		LVS EN ISO 17829	18,00			
18	V	Volatile matters content (should be ordered together with moisture determination (M))		LVS EN ISO 18123	15,00			
19	Fl; Ph	Fluorine (F) un phenol (Ph) content (price for each; should be ordered separately)		LVS EN ISO 16994	23,00			
20	N	Nitrogen (N) content		LVS EN ISO 16994	33,00			
21	O	Oxygen (O) content. Should be ordered together with tests with codes CHN, SCl and A.		LVS EN ISO 16993	4,00			
22	CHN	Carbon (C), Hydrogen (H) and Nitrogen (N) content. Determined together and can be ordered only together.		LVS EN ISO 16948	55,00			
23	SCI	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	40,00	<b>K1 73,00</b>		<b>K3 96,00</b>
24	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 ISO/TS 16996	52,00		<b>K2 83,00</b>	
25	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)		LVS EN ISO 16968 ISO/TS 16996	52,00			
26	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, Sb, 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	10,00			
27	TO	Expression of the results of the T2 test in form of oxides (Al <sub>2</sub> O <sub>3</sub> , CaO, Fe <sub>2</sub> O <sub>3</sub> , K <sub>2</sub> O, MgO, MnO, Na <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , SiO <sub>2</sub> un TiO <sub>2</sub> )		–	10,00			
28	TS	Sand content in the ash (determined and calculated as sum of contents of SiO <sub>2</sub> un Al <sub>2</sub> O <sub>3</sub> )		–	40,00			
29	BO	Biomass oil residue content (for example, in husk pellet) determination by extraction			34,00			
30	Cs	Determination of the specific radioactivity of the nuclide <sup>137</sup> 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 / Rules #576	29,00			
31	BC	Biomass content (in SRF (Solid Recovered Fuel); expressed as percentage of biogenic carbon in total carbon)	If the sample contains both fine (below 10mm) and rough (above 10mm) fractions, two samples should be tested	LVS EN 15440	57,00			
32	WM	Waste composition / morphology% (plastic, cardboard / paper, textile, etc. ; for samples up to 10 kg, manual method)		LVS EN ISO 15440	63,00			
33	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 #1032	from 330,00			
34	FC	Emission factor calculation (up to three factors as needed)		–	16,00			
35	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 36,00			
36	AD	Determination of moisture content of fuel mixture - Aziotropic distillation with toluene		LVS EN 15934	from 26,00			
37	KCl	Preparation of the extract by extraction with KCl			21,00			
38	EP	Preparation and evaporation of the eluate		LVS EN 16192 ; LVS EN 12457-1; LVS EN 12457-2	19,00 - 64,00			
39	EK	Preparation of aqua regia extract (method not accredited)		LVS EN ISO 11466; Rules #506	64,00			
40	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 36,00			
41	TDS	Total dissolved solids content (TDS)		LVS EN ISO 15216; LVS EN ISO 12457-1	26,00			
42	pH	pH (potential of Hydrogen)		LVS EN 13037	6,00			
43	ec	Electrical conductivity		LVS EN 13037	6,00			
44	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 130,00			
45	NH	Total content of nitrogen (N) in the dry matter (g/kg); determination of ammonium nitrogen and NOx also possible (N-NH4; prices differ)		LVS EN ISO 16994	26,00			
46	DOC	DOC - Diluted Organic Carbon content (eluate preparation and evaporation + CHN)			from 68,00			
47	DOS	DOS - Diluted Organic Substances content (eluate preparation and evaporation + 2*CHN)			from 99,00			
48		Testing for other parameters and research		–				By mutual agreement
49		Consulting and other services (opinions, conclusions, statements, etc.)		–				
50	Con	Consulting by phone on the application and interpretation of tests, the influence of various factors on the parameters, etc. (15 minutes; short consultations are usually free - call!)			10,00			
51	Dok	Preparation of a Test Report or Invoice in hard copy or other form according to client request			from 9,00			
52	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.			16,00			

Notices: -- Prices are given excluding VAT; VAT not applicable for orders placed outside Latvia  
-- 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.**