

Eurofins Umwelt Ost GmbH - Lindenstraße 11 - Gewerbegebiet Freiberg Ost -
09627 Bobritzsch-Hilbersdorf

Eurofins Analytico B.V.
Gildeweg 30-46
NL-3771 Barneveld
the NETHERLANDS

Title : **Analytical Report for Order 12628043**

Test report number : **AR-26-FR-039723-01**

Project name : **Analysis of liquids**

Number of samples : **2**

Sample type: **sewage sludge**

Sample Taker: **not specified, sample(s) were delivered to lab**

Sample reception date : **2026-07-06**

Sample processing time : **2026-07-07 - 2026-07-15**

The test results refer exclusively to the samples analyzed as delivered. If sample containers, sample carriers and culture media procured and/or stored by the client are used, an influence on the test results cannot be excluded. If the sampling was not carried out by our laboratory or on our behalf, no guarantee is assumed for this. This also applies to calculation results based on data provided by the client. Details of the sample designation, sampling date, sample type and sample information are provided by the client. This test report is signed with a qualified electronic signature and may only be published completely and unchanged. Extracts or changes require the authorisation of Eurofins Umwelt Ost GmbH in each individual case.

Our General Terms & Conditions of Sale (GTCS) are applicable, as far as no specific agreements do exist. The GTCS are available on <http://www.eurofins.de/umwelt/avb.aspx>.

Accredited test laboratory according to DIN EN ISO/IEC 17025:2018 DAkkS notification under the DAkkS German Accreditation System for Testing. The laboratory is according (D-PL-14081-01-00) accredited.

Attachments

XML_Export_AR-26-FR-039723-01.xml

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Digitally signed 7/15/2026
Faizan Rafique
Analytical Service Manager



				Customer Reference		421-2026-00312072	421-2026-00312459
				Sample number		126099594	126099595
Parameter	Lab	Accr.	Method	LOQ	Unit		

Physico-chemical parameters from the original substance

Moisture	FR	F5	DIN EN 12880 (S2a): 2001-02	0.1	Ma.-% Raw Product	79.5	74.2
gross calorific value (qo,V)	FR	F5	DIN EN 15170: 2009-05	0.20	MJ/kg Raw Product	3.01 ¹⁾	4.24 ¹⁾
gross calorific value (qo,V)	FR	F5	DIN EN 15170: 2009-05	0.20	MJ/kg dw	14.68 ¹⁾	16.45 ¹⁾
net calorific value (qp,net)	FR	F5	DIN EN 15170: 2009-05	0.20	MJ/kg Raw Product	0.87 ²⁾	2.15 ²⁾
net calorific value (qp,net)	FR	F5	DIN EN 15170: 2009-05	0.20	MJ/kg dw	13.66 ²⁾	15.33 ²⁾
net calorific value (qu,V)	FR	F5	DIN EN 15170: 2009-05	0.20	MJ/kg Raw Product	0.98 ³⁾	2.26 ³⁾
net calorific value (qu,V)	FR	F5	DIN EN 15170: 2009-05	0.20	MJ/kg dw	13.71 ³⁾	15.38 ³⁾

Inorganic sum parameters from the original substance

Ash content (815°C)	FR	F5	DIN 51719: 1997-07	0.1	Ma.-% Raw Product	7.0	8.1
Ash content (815°C)	FR	F5	DIN 51719: 1997-07	0.1	% (w/w) dm	34.1	31.4

Elements from the original substance

Carbon	FR	F5	DIN 51732: 2014-07	0.2	Ma.-% Raw Product	6.9	9.6
Carbon	FR	F5	DIN 51732: 2014-07	0.2	% (w/w) dm	33.8	37.2
Hydrogen	FR	F5	DIN 51732: 2014-07	0.10	Ma.-% Raw Product	0.97	1.34
Hydrogen	FR	F5	DIN 51732: 2014-07	0.10	% (w/w) dm	4.72	5.18
Total nitrogen	FR	F5	DIN 51732: 2014-07	0.05	Ma.-% Raw Product	1.20	1.55
Total nitrogen	FR	F5	DIN 51732: 2014-07	0.05	% (w/w) dm	5.88	6.00
Sulphur (S), total	FR	F5	DIN 51724-3: 2012-07	0.03	Ma.-% Raw Product	0.43	0.48
Sulphur (S), total	FR	F5	DIN 51724-3: 2012-07	0.03	% (w/w) dm	2.10	1.87
Oxygen	FR	F5	DIN 51733: 2016-04		Ma.-% Raw Product	4.0	4.7
Oxygen	FR	F5	DIN 51733: 2016-04		% (w/w) dm	19.4	18.4

Plausibility

Plausibility check	FR					OK	OK
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Explanations

LOQ - Limit of quantification

Lab - Abbreviation of the performing laboratory

Accr. - Abbreviation of the accreditation of the performing laboratory

Comments for results

¹⁾ (qo, V) gross calorific value at constant volume

²⁾ (qp, net) net calorific value at constant pressure

³⁾ (qu, V) net calorific value at constant volume

The parameters identified by FR have been performed by the laboratory Eurofins Umwelt Ost GmbH (Lindenstraße 11, Gewerbegebiet Freiberg Ost, Bobritzsch-Hilbersdorf). The accreditation code F5 identifies the parameters accredited according to DIN EN ISO/IEC 17025:2018 DAkkS D-PL-14081-01-00.