

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

Skånefrö AB
Storgatan 1
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SWEDEN

Title : **Analytical Report for Order 12515672**

Test report number : **AR-25-FR-055573-01**

Project name : **ba-se-27-1-5 / ba 00007**

Number of samples : **1**

Sample type: **biochar**

Date of sample taking : **2024-08-01**

Sample Taker: **Client**

Sample reception date : **2025-04-09**

Sample processing time : **2025-04-11 - 2025-09-11**

Comment: **Repeating the measurement for PAH resulted in a change in the measured value.**

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-25-FR-055573-01.xml



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Digitally signed 9/16/2025
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											Description	sp-se-27-1-5-1 (repeat analysis)		
											Date and time of sample taking	2024-08-01		
Limit values											Sample number	125129813		
Parameter	Lab	Accr.	Method	1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	LOQ	Unit	ar	db
Biochar properties														
Moisture	FR	F5	DIN 51718: 2002-06								0.1	% (w/w)	27.6	-
Organic contaminants from toluene extraction acc. to EN 17503 (method 10.2.3)														
Naphthalene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	1.5
Acenaphthylene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	0.2
Acenaphthene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Fluorene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Phenanthrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	0.4
Anthracene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Fluoranthene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	0.2
Pyrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	0.2
Benz(a)anthracene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Chrysene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(b)fluoranthene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(k)fluoranthene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(a)pyrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Indeno(1,2,3-cd)pyrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Dibenz(a,h)anthracene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(g,h,i)perylene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1

											Description	sp-se-27-1-5-1 (repeat analysis)		
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Total 8 EFSA-PAH excl. LOQ	FR		calculated	1	1	1	1	1	1	4		mg/kg	-	(n. c.) ¹⁾
Total 16 EPA-PAH excl. LOQ	FR		calculated	6 ²⁾		6 ²⁾	6 ²⁾					mg/kg	-	2.5
Benzo(e)pyrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.1	mg/kg	-	< 0.1
Benzo(j)-fluoranthene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.1	mg/kg	-	< 0.1

Explanations

LOQ - Limit of quantification

ar - as received

db - dry basis

Lab - Abbreviation of the performing laboratory

Accr. - Abbreviation of the accreditation of the performing laboratory

Comments for results

¹⁾ not calculable

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 .

Explanations regarding Limits

Analysis performed according to guidelines for a sustainable production of biochar - EBC, Version 10.3E - of 05/04/2023.

EBC (2012-2024) 'European Biochar Certificate - Guidelines for a Sustainable Production of Biochar' Carbon Standards International (CSI), Frick, Switzerland. Version 10.4E from 20th Dec 2024

AR: related to ash

OS: related to original substance

²⁾ The very low PAH limit values only allow an analytical accuracy of 40% for the limit value: "sum 16 EPA-PAH" of 6 mg/kg which implies an accuracy of ± 2.4 mg/kg db, respectively.

The presentation of comparative values in the analytical report is a service provided by EUROFINS UMWELT. The cited comparative values (limit, guideline or other allocation values) are partially simplified and do not take into account all comments, ancillary provisions and/or exemptions of the corresponding regulations.