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09627 Bobritzsch-Hilbersdorf

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DENMARK

Title : **Analytical Report for Order 12500989**

Test report number : **AR-25-FR-007157-01**

Project name : **ba000109**

Number of samples : **1**

Sample type: **biochar**

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

Sample reception date : **2025-01-09**

Sample processing time : **2025-01-09 - 2025-02-05**

The test results solely refer to the analysed test specimen. Unless the sampling was done by our laboratory or in our sub-order the responsibility for the correctness of the sampling is disclaimed. This analytical report is electronically signed and may only be further published completely and unchanged. Extracts or changes require the authorisation of the EUROFINS UMWELT 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-007157-01.xml

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Digitally signed 2/6/2025
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Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							
Biochar properties														
Bulk density < 3 mm	FR		based on VDLUFA-Methode A 13.2.1									kg/m ³	-	545
Bulk density	FR	F5	DIN EN ISO 17828: 2016-05									kg/m ³	734	-
specific surface (BET)	SND2/0		DIN ISO 9277: 2014									m ² /g	-	105.61
water holding capacity (WHC) < 2 mm	FR		DIN EN ISO 14238, A: 2014-03									%	-	57.2
Moisture	FR	F5	DIN 51718: 2002-06								0.1	% (w/w)	29.3	-
Ash content (550°C)	FR	F5	DIN 51719: 1997-07								0.1	% (w/w)	33.5	47.3
Ash content (815°C)	FR	F5	DIN 51719: 1997-07								0.1	% (w/w)	31.6	44.7
Total carbon	FR	F5	DIN 51732: 2014-07								0.2	% (w/w)	35.5	50.2
carbon (organic)	FR		Calculation									% (w/w)	34.4	48.7
Hydrogen	FR	F5	DIN 51732: 2014-07								0.1	% (w/w)	0.7	1.0
Total nitrogen	FR	F5	DIN 51732: 2014-07								0.05	% (w/w)	0.86	1.22
Sulphur (S), total	FR	F5	DIN 51724-3: 2012-07								0.03	% (w/w)	0.23	0.32
Oxygen	FR	F5	DIN 51733: 2016-04									% (w/w)	1.8	2.5
Total inorganic carbon (TIC)	FR	F5	DIN 51726: 2004-06								0.1	% (w/w)	1.1	1.5
carbonate-CO2	FR	F5	DIN 51726: 2004-06								0.4	% (w/w)	3.9	5.5
H/C ratio (molar)	FR		Calculation										0.23	0.23
H/Corg ratio (molar)	FR		Calculation	< 0.4	< 0.4	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7			0.24	0.24
O/C ratio (molar)	FR		Calculation										0.038	0.037
net calorific value (Hu,p)	FR	F5	DIN 51900: 2023-12								200	kJ/kg	12200 ¹⁾	18200 ¹⁾
pH in CaCl2	FR		DIN ISO 10390: 2005-12										10.9	-
salt content	FR		BGK III. C2: 2006-09								0.005	g/kg	24.5	-
salt content	FR		BGK III. C2: 2006-09								0.005	g/l	13.4	-
Conductivity at 1,2 t pressure	FR		Internal Method SAA-H-Lf-Pflanzenkohle.040								0.01	mS/cm	-	3.5

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							
Conductivity at 2 t pressure	FR		Internal Method SAA-H-Lf-Pflanzenkohle.040								0.01	mS/cm	-	4.9
Conductivity at 3 t pressure	FR		Internal Method SAA-H-Lf-Pflanzenkohle.040								0.01	mS/cm	-	5.3
Conductivity at 4 t pressure	FR		Internal Method SAA-H-Lf-Pflanzenkohle.040								0.01	mS/cm	-	6.4
Conductivity at 5 t pressure	FR		Internal Method SAA-H-Lf-Pflanzenkohle.040								0.01	mS/cm	-	6.7
Chromium (VI)	FR	F5	DIN EN 16318: 2016-07, Verf. A								0.1	mg/kg	-	< 0.1

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118		
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320		
											LOQ	Unit	ar	db	
Polychlorinated dibenzodioxins/-furans (17 PCDD/F) by GC-HRMS															
2,3,7,8-TetraCDD	GF/o	MJ	Internal									0.180	ng/kg dw	-	< 0.172
1,2,3,7,8-PentaCDD	GF/o	MJ	Internal									0.240	ng/kg dw	-	< 0.229
1,2,3,4,7,8-HexaCDD	GF/o	MJ	Internal									0.480	ng/kg dw	-	< 0.458
1,2,3,6,7,8-HexaCDD	GF/o	MJ	Internal									0.480	ng/kg dw	-	< 0.458
1,2,3,7,8,9-HexaCDD	GF/o	MJ	Internal									0.480	ng/kg dw	-	< 0.458
1,2,3,4,6,7,8-HeptaCDD	GF/o	MJ	Internal									0.540	ng/kg dw	-	< 0.516
OctaCDD	GF/o	MJ	Internal									2.20	ng/kg dw	-	< 2.10
2,3,7,8-TetraCDF	GF/o	MJ	Internal									0.320	ng/kg dw	-	< 0.306
1,2,3,7,8-PentaCDF	GF/o	MJ	Internal									0.440	ng/kg dw	-	< 0.420
2,3,4,7,8-PentaCDF	GF/o	MJ	Internal									0.440	ng/kg dw	-	< 0.420
1,2,3,4,7,8-HexaCDF	GF/o	MJ	Internal									0.400	ng/kg dw	-	< 0.382
1,2,3,6,7,8-HexaCDF	GF/o	MJ	Internal									0.400	ng/kg dw	-	< 0.382
1,2,3,7,8,9-HexaCDF	GF/o	MJ	Internal									0.400	ng/kg dw	-	< 0.382
2,3,4,6,7,8-HexaCDF	GF/o	MJ	Internal									0.400	ng/kg dw	-	< 0.382
1,2,3,4,6,7,8-HeptaCDF	GF/o	MJ	Internal									0.520	ng/kg dw	-	< 0.497
1,2,3,4,7,8,9-HeptaCDF	GF/o	MJ	Internal									0.380	ng/kg dw	-	< 0.363
OctaCDF	GF/o	MJ	Internal									3.20	ng/kg dw	-	< 3.06
WHO(2005)-PCDD/F TEQ (lower-bound)	GF/o	MJ	Internal										ng/kg dw	-	ND
WHO(2005)-PCDD/F TEQ (upper-bound)	GF/o	MJ	Internal										ng/kg dw	-	0.876
I-TEQ (NATO/CCMS) (lower-bound)	GF/o	MJ	Internal										ng/kg dw	-	ND
I-TEQ (NATO/CCMS) (upper-bound)	GF/o	MJ	Internal			20	20	20	20	20			ng/kg dw	-	0.857

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							
Polychlorinated biphenyl (12 WHO PCB) by GC-HRMS														
PCB 77	GF/o	MJ	Internal								3.60	ng/kg dw	-	< 3.44
PCB 81	GF/o	MJ	Internal								0.780	ng/kg dw	-	< 0.745
PCB 105	GF/o	MJ	Internal								7.80	ng/kg dw	-	< 7.45
PCB 114	GF/o	MJ	Internal								0.940	ng/kg dw	-	< 0.898
PCB 118	GF/o	MJ	Internal								28.0	ng/kg dw	-	< 26.7
PCB 123	GF/o	MJ	Internal								0.800	ng/kg dw	-	< 0.764
PCB 126	GF/o	MJ	Internal								1.02	ng/kg dw	-	< 0.974
PCB 156	GF/o	MJ	Internal								4.40	ng/kg dw	-	< 4.20
PCB 157	GF/o	MJ	Internal								0.900	ng/kg dw	-	< 0.859
PCB 167	GF/o	MJ	Internal								2.20	ng/kg dw	-	< 2.10
PCB 169	GF/o	MJ	Internal								2.40	ng/kg dw	-	< 2.29
PCB 189	GF/o	MJ	Internal								0.800	ng/kg dw	-	< 0.764
WHO(2005)-PCB TEQ (lower-bound)	GF/o	MJ	Internal									ng/kg dw	-	ND
WHO(2005)-PCB TEQ (upper-bound)	GF/o	MJ	Internal									ng/kg dw	-	0.168
WHO(2005)-PCDD/F+PCB TEQ (lower-bound)	GF/o	MJ	Internal									pg/g	-	-
WHO(2005)-PCDD/F+PCB TEQ (upper-bound)	GF/o	MJ	Internal									pg/g	-	1.04

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							
Polychlorinated biphenyl (7 PCB) by GC-HRMS														
PCB 28	GF/o	MJ	Internal								0.0820	µg/kg dw	-	< 0.0783
PCB 52	GF/o	MJ	Internal								0.0610	µg/kg dw	-	< 0.0582
PCB 101	GF/o	MJ	Internal								0.0980	µg/kg dw	-	< 0.0936
PCB 118	GF/o	MJ	Internal								0.0280	µg/kg dw	-	< 0.0267
PCB 138	GF/o	MJ	Internal								0.0720	µg/kg dw	-	< 0.0688
PCB 153	GF/o	MJ	Internal								0.116	µg/kg dw	-	< 0.111
PCB 180	GF/o	MJ	Internal								0.0300	µg/kg dw	-	< 0.0286
Total 6 ndl-PCB (lower-bound)	GF/o	MJ	Internal									µg/kg dw	-	ND
Total 6 ndl-PCB (upper-bound)	GF/o	MJ	Internal			200	200	200	200	200		µg/kg dw	-	0.438
Total 7 Indicator PCB (lower-bound)	GF/o	MJ	Internal									µg/kg dw	-	ND
Total 7 Indicator PCB (upper-bound)	GF/o	MJ	Internal									µg/kg dw	-	0.465

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							

Elements from the micro wave pressure digestion acc. to DIN 22022-1: 2014-07

Arsenic (As)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01			13	13	13	13		0.8	mg/kg	-	0.9
Lead (Pb)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01			45	120	120	120		2	mg/kg	-	4
Cadmium (Cd)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01			0.7	1.5	1.5	1.5		0.2	mg/kg	-	< 0.2
Copper (Cu)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	70	70	70	100	100	100		1	mg/kg	-	77
Nickel (Ni)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	25	25	25	50	50	50		1	mg/kg	-	21
Mercury (Hg)	FR	F5	DIN 22022-4: 2001-02			0.4	1	1	1		0.07	mg/kg	-	< 0.07
Zinc (Zn)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	200	200	200	400	400	400		1	mg/kg	-	249
Chromium (Cr)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	70	70	70	90	90	90		1	mg/kg	-	39
Boron (B)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01								1	mg/kg	-	53
Manganese (Mn)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01								1	mg/kg	-	347
Silver (Ag)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01								5	mg/kg	-	< 5

Elements fr. the borate digestion of ash 550 °C acc. to DIN 51729-11:1998-11(AR)

Calcium as CaO	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	9.4
Iron as Fe2O3	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	1.8
Potassium as K2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	8.6
Magnesium as MgO	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	3.3
Sodium as Na2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	2.1
Phosphorus as P2O5	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	0.2
sulphur as SO3	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	1.6
Silicon as SiO2	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	% (w/w)	-	59.5



Umwelt

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							
Macronutrients														
Total nitrogen	FR	F5	DIN 51732: 2014-07								0.5	g/kg	8.6	12.2
Macronutrients-LiBO2/Li2B4O7/LiBr-melt of ash 550°C [DIN 51729-11:1998-11] (OS)														
Phosphorus as P2O5	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	0.7
Potassium as K2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	40.9
Calcium as CaO	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	44.3
Magnesium as MgO	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	15.4
Sodium as Na2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	10.0
sulphur as SO3	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	7.7
Elements fr. the borate digestion of ash 550°C acc. to DIN 51729-11:1998-11(OS)														
Iron (Fe)	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	5.9
Silicon (Si)	FR	F5	DIN EN ISO 11885 (E22): 2009-09								0.1	g/kg	-	132

Parameter	Lab	Accr.	Method	Limit values							Description		ba-dk-142-3-2, sp000118	
				1) EBC-FeedPlus	2) EBC-Feed	3) EBC-Agro Organic	4) EBC-Agro	5) EBC-Urban	6) EBC-Consumer Materials	7) EBC-Basic Materials	Sample number		125003320	
				LOQ	Unit	ar	db							
Organic contaminants from toluene extraction acc. to EN 17503 (method 10.2.3)														
Naphthalene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	0.1
Acenaphthylene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Acenaphthene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Fluorene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Phenanthrene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Anthracene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Fluoranthene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Pyrene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benz(a)anthracene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Chrysene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(b)fluoranthene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(k)fluoranthene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(a)pyrene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Indeno(1,2,3-cd)pyrene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Dibenz(a,h)anthracene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Benzo(g,h,i)perylene	FR	F5	DIN EN 17503, Verfahren 10.2.3: 2022-08								0.1	mg/kg	-	< 0.1
Total 8 EFSA-PAH excl. LOQ	FR		calculated	1	1	1	1	1	1	4		mg/kg	-	(n. c.) ²⁾
Total 16 EPA-PAH excl. LOQ	FR		calculated	6 ³⁾		6 ³⁾	6 ³⁾					mg/kg	-	0.1
Benzo(e)pyrene	FR	F5	DIN EN 17503, Verfahren 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, Verfahren 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⁾ (Hu, p) net calorific value at constant pressure, without thermochemical corrections from the halogen contents

²⁾ 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 .

The parameters identified by GF have been performed by the laboratory Eurofins GfA Lab Service GmbH (Neuländer Kamp 1a, Hamburg). The accreditation code MJ identifies the parameters accredited according to DIN EN ISO/IEC 17025:2018 Dakks D-PL-14629-01-00 .

The parameters identified by SND2 have been performed by the laboratory Ruhr Lab GmbH (Glückaufstraße 56, Gelsenkirchen).

/o - The analysis has been outsourced.

Explanations regarding Limits

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

AR: related to ash

OS: related to original substance

³⁾ 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.

Stiesdal SkyClean A/S
Vejlevej 270
7323 Give

Att: Henrik Pedersen

Modtaget dato	24-09-2024	Arkiv nummer	AR-24-DR-032050-01
Analyse påbegyndt	25-09-2024	EOL batch	
Analyse afsluttet	26-09-2024	Batch nummer	EUDKHO2-00213386
Certifikat klar	26-09-2024	Prøve nummer	630-2024-00032182
Prøvens mærkning §	BA-SSC-BRF-3-20240905		

Analyse	Parameter	Resultat	Enhed	U(%)
Gylle Initial TS, NH4-N, N, P og K				
DR109	EU 152/2009 mod./Gravimetrisk			
	Tørstof	77,5	%	11
DR906	ISO 11732-2005 mod./Spektroskopi (FIA)			
	Total Nitrogen	5,71	kg/ton	11
DR907	ISO 11732-2005 mod./Spektroskopi (FIA)			
	Ammonium-nitrogen	<0,5	kg/ton	11
1) CA503	DS 259:2003, DS/EN ISO 11885:2009/ICP-OES			
	Fosfor, total	6,2	kg/ton	20
1) CA504	DS 259:2003, DS/EN ISO 11885:2009/ICP-OES			
	Kalium (K)	23	kg/ton	20

<L.Q. / <LOQ :Under kvantifikationsgrænse	ND / N.D. :Ikke detekteret	<	:Mindre end/under
<L.D. / <LOD :Under detektionsgrænse		>	:Større end/over

1) Eurofins Miljø: DS EN ISO/IEC 17025 DANAK 168

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Spørgsmål til analysecertifikatet rettes til Eurofins på tlf 76 60 42 42 eller agro@eurofins.dk

Resultaterne gælder udelukkende for stikprøven som den er modtaget. Resultatet er angivet som "indhold i prøven", hvis ikke andet er oplyst. U(%): Ekspanderet måleusikkerhed (dækningsfaktor k=2). Usikkerheden på NIR-analysen er opgivet som 2*SEP-værdien. Usikkerheden på NIR-analysen inklusiv usikkerheden på referencemetoden kan oplyses ved henvendelse til laboratoriet. Informationer markeret med (§) er oplyst af kunden eller vedlagt/angivet på prøven ved modtagelse og er kundens ansvar, også i tilfælde af at de påvirker analyseresultaternes validitet. Resultaterne må ikke gengives, undtagen i deres helhed, uden skriftlig tilladelse fra Eurofins. Analyser udføres iht. Eurofins generelle forretningsbetingelser, som kan ses på www.eurofins.dk.

Stiesdal SkyClean A/S
Vejlevej 270
7323 Give
Att.: Anders Schrøder

Rapportnr.: AR-24-CA-24083517-01
Batchnr.: EUDKVE-24083517
Kundenr.: CA0023160
Modt. dato: 23.09.2024

Analyserapport

Sagsnr.:	PO 7172
Prøvetype:	Anden fast prøve
Prøvetager:	Rekvirenten CHF
Prøveudtagning:	
Analyseperiode:	23.09.2024 - 03.10.2024

Prøvemærke:	BA-SSC-3-20240905
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Lab prøvenr:	835-2024-08351701	Enhed	DL	Metode	Urel (%)
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PFAS-forbindelser

PFBA (Perfluorbutansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFBS (Perfluorbutansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFPeA (Perfluorpentansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFPeS (Perfluorpentansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFHxA (Perfluorhexansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFHxS (Perfluorhexansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFHpA (Perfluorheptansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFHpS (Perfluorheptansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFOA (Perfluoroktansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFOS (Perfluoroktansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
6:2 FTS (Fluortelomersulfonat)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFOSA (Perfluoroktansulfonamid)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFNA (Perfluornonansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFNS (Perfluornonansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFDA (Perfluordekansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFDS (Perfluordekansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFUnDA (Perfluorundekansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFUnDS (Perfluorundekansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFDoDA (Perfluordodekansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFDoDS (Perfluordodekansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFTTrDA (Perfluortridekansyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30
PFTTrDS (Perfluortridekansulfonsyre)	<1.0	µg/kg	1	* Internal Method LC-MS/MS	A 30

Underleverandør:

A: Eurofins Food & Feed Testing Sweden (Lidköping)

Kopi til:

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Tegnforklaring:

<: mindre end *) Ikke omfattet af akkrediteringen
>: større end i.p.: ikke påvist
#: ingen parametre er påvist i.m.: ikke målelig
DL: Detektionsgrænse ☞: udført af underleverandør

Urel (%): Ekspanderede relative måleusikkerhed med dækningsfaktor 2. For resultater på detektionsgrænseniveau kan usikkerheden være større end oplyst på rapporten.

☞: Usikkerheder på mikrobiologiske parametre angives som logaritmeret standardafvigelse



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Lab prøvenr.:	835-2024-08351701	Enhed	DL	Metode	Urel (%)

03.10.2024

Kundecenter
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Lisa Lasota
Kunderådgiver Eurofins, Miljø

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<: mindre end *) Ikke omfattet af akkrediteringen
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Urel (%): Ekspanderede relative måleusikkerhed med dækningsfaktor 2. For resultater på detektionsgrænseniveau kan usikkerheden være større end oplyst på rapporten.

°): Usikkerheder på mikrobiologiske parametre angives som logaritmeret standardafvigelse

Prøvningsresultaterne gælder udelukkende for de(n) undersøgte prøve(s).
Rapporten må ikke gengives, undtagen i sin helhed, uden prøvningslaboratoriets skriftlige godkendelse.

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