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This report replaces the previous report AR-25-FR-067556-01 from 2025-11-07 because of Modification of the Analytical Scope.

Title :	**Analytical Report for Order 12541665**
Test report number :	**AR-25-FR-067556-02**
Project name :	**sample: ID sp000256 Batch ID: ba000221**
Number of samples :	**1**
Sample type:	**biochar**
Sample Taker:	**not specified, sample(s) were delivered to lab**
Sample reception date :	**2025-09-23**
Sample processing time :	**2025-09-23 - 2025-12-12**

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-067556-02.xml

DAkkS Deutsche Akkreditierungsstelle D-PL-14081-01-00

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DAkkS
Deutsche
Akkreditierungsstelle
D-PL-14081-01-00

										Description		sample: ID sp000256 Batch ID: ba000221		
				Limit values						Sample number		125146613		
Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
Biochar properties														
Bulk density < 3 mm	FR		based on VDLUFA-Methode A 13.2.1								kg/m³	-	-	217
Bulk density	FR	F5	DIN EN ISO 17828: 2016-05								kg/m³	-	269	-
specific surface (BET)	SND2/o		DIN ISO 9277: 2014								m²/g	-	-	197.54
water holding capacity (WHC) < 2 mm	FR		DIN EN ISO 14238, A: 2014-03								%	-	-	180.5
Moisture	FR	F5	DIN 51718: 2002-06							0.1	% (w/w)	-	20.8	-
Ash content (550°C)	FR	F5	DIN 51719: 1997-07							0.1	% (w/w)	-	14.8	18.7
Total carbon	FR	F5	DIN 51732: 2014-07							0.2	% (w/w)	-	59.1	74.6
carbon (organic)	FR		Calculation								% (w/w)	-	58.8	74.2
Hydrogen	FR	F5	DIN 51732: 2014-07							0.1	% (w/w)	-	1.2	1.5
Total nitrogen	FR	F5	DIN 51732: 2014-07							0.05	% (w/w)	-	2.04	2.58
Sulphur (S), total	FR	F5	DIN 51724-3: 2012-07							0.03	% (w/w)	-	0.10	0.12
Oxygen	FR	F5	DIN 51733: 2016-04								% (w/w)	-	2.3	2.8
Total inorganic carbon (TIC)	FR	F5	DIN 51726: 2004-06							0.1	% (w/w)	-	0.3	0.4
carbonate-CO2	FR	F5	DIN 51726: 2004-06							0.4	% (w/w)	-	1.1	1.4
H/C ratio (molar)	FR		Calculation									-	0.23	0.23
H/Corg ratio (molar)	FR		Calculation	< 0.4	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7			-	0.24	0.23
O/C ratio (molar)	FR		Calculation									-	0.029	0.028
pH in CaCl2	FR		DIN EN ISO 10390: 2022-08									-	10.4	-
salt content	FR		BGK III. C2: 2006-09							0.005	g/kg	-	14.7	-
salt content	FR		BGK III. C2: 2006-09							0.005	g/l	-	3.19	-
Conductivity at 1,2 t pressure	FR		Internal Method SAA-H-Lf-Pflanzen-kohle.040							0.01	mS/cm	-	-	3.3

										Description		sample: ID sp000256 Batch ID: ba000221		
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Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
Conductivity at 2 t pressure	FR		Internal Method SAA-H-Lf-Pflanzen-kohle.040							0.01	mS/cm	-	-	4.0
Conductivity at 3 t pressure	FR		Internal Method SAA-H-Lf-Pflanzen-kohle.040							0.01	mS/cm	-	-	4.9
Conductivity at 4 t pressure	FR		Internal Method SAA-H-Lf-Pflanzen-kohle.040							0.01	mS/cm	-	-	5.3
Conductivity at 5 t pressure	FR		Internal Method SAA-H-Lf-Pflanzen-kohle.040							0.01	mS/cm	-	-	6.3
Protein, crude	FR		VDLUFA manual III: 2014-09								% (w/w) dm	not determined	-	-
Fat, crude	FR		VDLUFA manual III: 2014-09								% (w/w) dm	not determined	-	-
Crude fibre	FR		VDLUFA manual III: 2014-09								% (w/w) dm	not determined	-	-
Crude ash	FR	F5	DIN 51719: 1997-07							0.1	% (w/w)	-	14.8	18.7
HCl-unsoluble ash	ES005 A/o		VDLUFA III 8.2								Ma.-% Raw Product	6.0	-	-
Fluor total (F)	ES005 A/o	WV	VDLUFA III, 17.3.2: 2006	150							mg/kg 88% DM	< 10	-	-
Polychlorinated dibenzodioxins/-furans (17 PCDD/F) by GC-HRMS														
2,3,7,8-TetraCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.03	ng/kg 88% DM	< 0.03	-	-
1,2,3,7,8-PentaCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.03	ng/kg 88% DM	< 0.03	-	-
1,2,3,4,7,8-HexaCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
1,2,3,6,7,8-HexaCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-

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				Limit values						Sample number		125146613		
Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
1,2,3,7,8,9-HexaCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
1,2,3,4,6,7,8-HeptaCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.13	ng/kg 88% DM	0.28	-	-
OctaCDD	SCT6/o	A04	DIN EN 16215: 2020-05							0.44	ng/kg 88% DM	1.7	-	-
2,3,7,8-TetraCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
1,2,3,7,8-PentaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.03	ng/kg 88% DM	< 0.03	-	-
2,3,4,7,8-PentaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.03	ng/kg 88% DM	< 0.03	-	-
1,2,3,4,7,8-HexaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
1,2,3,6,7,8-HexaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
1,2,3,7,8,9-HexaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
2,3,4,6,7,8-HexaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.04	ng/kg 88% DM	< 0.04	-	-
1,2,3,4,6,7,8-HeptaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.22	ng/kg 88% DM	< 0.22	-	-
1,2,3,4,7,8,9-HeptaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.22	ng/kg 88% DM	< 0.22	-	-
OctaCDF	SCT6/o	A04	DIN EN 16215: 2020-05							0.44	ng/kg 88% DM	< 0.44	-	-
WHO(2005)-PCDD/F TEQ (lower-bound)	SCT6/o	A04	DIN EN 16215: 2020-05								ng/kg 88% DM	0.00	-	-
WHO(2005)-PCDD/F TEQ (upper-bound)	SCT6/o	A04	DIN EN 16215: 2020-05	0.75						0.11	ng/kg 88% DM	0.11	-	-

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				Limit values						**Sample number**		**125146613**		
Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
WHO(2005)-PCDD/F+PCB TEQ (upper-bound)	SCT6/o	A04	DIN EN 16215: 2020-05	1.25						0.17	ng/kg 88% DM	0.17	-	-

										Description		sample: ID sp000256 Batch ID: ba000221		
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Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
Polychlorinated biphenyl (12 WHO PCB) by GC-HRMS														
PCB 77	SCT6/o	A04	Regulation (EC) No. 152/2009							4.4	ng/kg 88% DM	7.1	-	-
PCB 81	SCT6/o	A04	Regulation (EC) No. 152/2009							0.40	ng/kg 88% DM	< 0.40	-	-
PCB 105	SCT6/o	A04	Regulation (EC) No. 152/2009							15	ng/kg 88% DM	24	-	-
PCB 114	SCT6/o	A04	Regulation (EC) No. 152/2009							4.0	ng/kg 88% DM	< 4.0	-	-
PCB 118	SCT6/o	A04	Regulation (EC) No. 152/2009							44	ng/kg 88% DM	67	-	-
PCB 123	SCT6/o	A04	Regulation (EC) No. 152/2009							4.0	ng/kg 88% DM	< 4.0	-	-
PCB 126	SCT6/o	A04	Regulation (EC) No. 152/2009							0.40	ng/kg 88% DM	< 0.40	-	-
PCB 156	SCT6/o	A04	Regulation (EC) No. 152/2009							4.0	ng/kg 88% DM	15	-	-
PCB 157	SCT6/o	A04	Regulation (EC) No. 152/2009							4.0	ng/kg 88% DM	< 4.0	-	-
PCB 167	SCT6/o	A04	Regulation (EC) No. 152/2009							4.0	ng/kg 88% DM	10	-	-
PCB 169	SCT6/o	A04	Regulation (EC) No. 152/2009							0.40	ng/kg 88% DM	< 0.40	-	-
PCB 189	SCT6/o	A04	Regulation (EC) No. 152/2009							4.0	ng/kg 88% DM	< 4.0	-	-
WHO(2005)-PCB TEQ (upper-bound)	SCT6/o	A04	Regulation (EC) No. 152/2009							0.06	ng/kg 88% DM	0.06	-	-
WHO(2005)-PCB TEQ (lower-bound)	SCT6/o	A04	Regulation (EC) No. 152/2009								ng/kg 88% DM	0.00	-	-

										Description		**sample: ID sp000256 Batch ID: ba000221**		
				Limit values						**Sample number**		**125146613**		
Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
Polychlorinated biphenyl (7 PCB) by GC-HRMS														
PCB 28	SCT6/o	A04	DIN EN 16215: 2020-05							0.18	µg/kg 88% DM	0.20	-	-
PCB 101	SCT6/o	A04	DIN EN 16215: 2020-05							0.18	µg/kg 88% DM	< 0.18	-	-
PCB 180	SCT6/o	A04	DIN EN 16215: 2020-05							0.18	µg/kg 88% DM	< 0.18	-	-
Total 6 ndl-PCB (lower-bound)	SCT6/o	A04	DIN EN 16215: 2020-05								µg/kg 88% DM	0.46	-	-
PCB 52	SCT6/o	A04	DIN EN 16215: 2020-05							0.18	µg/kg 88% DM	0.26	-	-
PCB 138	SCT6/o	A04	DIN EN 16215: 2020-05							0.18	µg/kg 88% DM	< 0.18	-	-
Total 6 ndl-PCB (upper bound)	SCT6/o	A04	DIN EN 16215: 2020-05	10						1.1	µg/kg 88% DM	1.2	-	-
PCB 153	SCT6/o	A04	DIN EN 16215: 2020-05							0.18	µg/kg 88% DM	< 0.18	-	-

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Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**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	-	-	< 0.8
Lead (Pb)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01		45	120	120	120		2	mg/kg	-	-	< 2
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	100	100	100		1	mg/kg	-	-	19
Nickel (Ni)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	25	25	50	50	50		1	mg/kg	-	-	5
Mercury (Hg)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01		0.4	1	1	1		0.2	mg/kg	-	-	< 0.2
Zinc (Zn)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	200	200	400	400	400		1	mg/kg	-	-	135
Chromium (Cr)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01	70	70	90	90	90		1	mg/kg	-	-	23
Boron (B)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01							1	mg/kg	-	-	18
Manganese (Mn)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01							1	mg/kg	-	-	164
Silver (Ag)	FR	F5	DIN EN ISO 17294-2 (E29): 2017-01							5	mg/kg	-	-	< 5
Elements from the pressure digestion acc. to DIN EN 13805: 2014-12														
Arsenic (As)	ES005 A/o	WV	DIN EN ISO 17294-2 (E29): 2017-01	2							mg/kg 88% DM	0.18	-	-
Lead (Pb)	ES005 A/o	WV	DIN EN ISO 17294-2 (E29): 2017-01	5							mg/kg 88% DM	0.55	-	-
Cadmium (Cd)	ES005 A/o	WV	DIN EN ISO 17294-2 (E29): 2017-01	0.5							mg/kg 88% DM	0.048	-	-
Mercury (Hg)	ES005 A/o	WV	DIN EN 15763:2010-04	0.1							mg/kg 88% DM	< 0.0020	-	-

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Parameter	**Lab**	**Accr.**	**Method**	1) EBC-FeedPlus	2) EBC-AgroOr-ganic	3) EBC-Agro	4) EBC-Urban	5) EBC-Materials	6) EBC-Basic	**LOQ**	**Unit**		**ar**	**db**
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)	-	-	6.3
Iron as Fe2O3	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	0.8
Potassium as K2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	14.2
Magnesium as MgO	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	4.2
Sodium as Na2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	0.9
Phosphorus as P2O5	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	15.5
sulphur as SO3	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	0.9
Silicon as SiO2	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	% (w/w)	-	-	40.9
Macronutrients														
Total nitrogen	FR	F5	DIN 51732: 2014-07							0.5	g/kg	-	20.4	25.8
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	-	-	28.9
Potassium as K2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	g/kg	-	-	26.5
Calcium as CaO	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	g/kg	-	-	11.9
Magnesium as MgO	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	g/kg	-	-	7.9
Sodium as Na2O	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	g/kg	-	-	1.7
sulphur as SO3	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	g/kg	-	-	1.7
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	-	-	1.1
Silicon (Si)	FR	F5	DIN EN ISO 11885 (E22): 2009-09							0.1	g/kg	-	-	35.7

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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	-	-	0.9
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	-	-	0.3
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	-	-	< 0.1
Pyrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08							0.1	mg/kg	-	-	< 0.1
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
Total 8 EFSA-PAH excl. LOQ	FR		calculated	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	-	-	1.4
Benzo(e)pyrene	FR	F5	DIN EN 17503, Procedure 10.2.3: 2022-08	< 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	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

not determined:

These methods apply for animal feed conventional type. The methods are not validated for the matrix biochar and can lead to implausible results.

"Crude protein, crude fiber and crude fat are completely decomposed in the course of complete pyrolysis and are therefore no longer present in biochar. A biochar is considered to be completely pyrolyzed if the H/Corg ratio is <0.4, which is the prerequisite for EBCFeed and EBC-FeedPlus certification. Thus, the analysis of crude protein, crude fiber and crude fat is not required and set by definition as 0 g kg-1." [1]

[1] EBC (2012-2024) 'European Biochar Certificate - Guidelines for a Sustainable Production of Biochar.' Carbon Standards International (CSI), Frick, Switzerland. (http://european-biochar.org). Version 10.4E from 20th Dec 2024

The parameters identified by ES005A have been performed by the laboratory SGS Analytics Germany GmbH (Jena) (Orlaweg 2, Jena). The accreditation code WV identifies the parameters accredited according to DIN EN ISO/IEC 17025:2018 DAkkS D-PL-14004-10-00 .

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 SCT6 have been performed by the laboratory Zentrum für Dioxinanalytik (ZfD) GmbH (Berneckerstraße 17-21, Bayreuth). The accreditation code A04 identifies the parameters accredited according to DIN EN ISO/IEC 17025:2018 DAkkS D-PL-19418-01-00 .

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 10.5E.

[1] EBC (2012-2025) 'European Biochar Certificate - Guidelines for a Sustainable Production of Biochar.' Carbon Standards International (CSI), Frick, Switzerland. (http://carbon-standards.com/ebc). Version 10.5E
from 14th August 2025

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.