Prüfbericht Nährwertanalyse **Test Report Nutritional Analysis**

Testing laboratory: Bonalytic GmbH, Gierlichsstr. 6, D-53840 Troisdorf

Accredited testing laboratory by DAkkS according to DIN EN ISO/IEC 17025.
Accreditation applies to test methode listed in certificate.

Company	Foulum
Address	Blichers alle 20
Post code/Zip	DK-8830 Tjele
AG-Nummer	100043
WE-Nummer	
Telephone	
Fax	
Mobile	
E-Mail	henrikb.moller@eng.au.dk

Client:

www.schaumann-bioenergy.com
consultant: Emiliano Bruni
mobil: +49 172 7070818

Sampler:	client	**Test Report Number:**	191104-065-NW-1
Sample Type:	FG	**Issued by:**	Annette Schenk
Sampling Location:	TO	**Position:**	BTA
Sampling Date:	21.10.2019	**Sample Receipt**	04.11.2019
Examination Date	04.11. - 19.11.2019	**Issue Date:**	19.11.2019

Based on:	**DM**	**DM**	**FM**	**FM**	**Test method**
			kg/t	**%**	
DM *			691	69,11	DIN EN 12880 (S 2a) (2001-02)
oDM *			490	48,97	DIN EN 12879 (S 3a) (2001-02)
	kg/t	**%**	**kg/t**	**%**	
Total-N *	59,2	5,92	40,9	4,093	[1]
NH_4^+-N	4,11	0,41	2,84	0,284	[2]
P *	3,56	0,36	2,46	0,246	DIN EN ISO 11885 (E 22) (2009-09)
P_2O_5	8,16	0,82	5,64	0,564	calculated
K *	4,38	0,44	3,03	0,303	DIN EN ISO 11885 (E 22) (2009-09)
K_2O	5,28	0,53	3,65	0,365	calculated
Mg *	0,20	0,020	0,14	0,014	DIN EN ISO 11885 (E 22) (2009-09)
MgO	0,33	0,033	0,23	0,023	calculated
Ca *	0,24	0,02	0,16	0,016	DIN EN ISO 11885 (E 22) (2009-09)
CaO	0,33	0,03	0,23	0,023	calculated
S *	15,30	1,530	10,57	1,057	DIN EN ISO 11885 (E 22) (2009-09)
	g/t	**%**	**g/t**	**%**	
B *	0,78	0,00008	0,54	0,000054	DIN EN ISO 11885 (E 22) (2009-09)
Cu *	2,31	0,0002	1,60	0,000160	DIN EN ISO 11885 (E 22) (2009-09)
Co *	<0,3	<0,00003	<0,21	<0,000021	DIN EN ISO 11885 (E 22) (2009-09)
Mn *	2,30	0,0002	1,59	0,00016	DIN EN ISO 11885 (E 22) (2009-09)
Zn *	25,5	0,0026	17,6	0,00176	DIN EN ISO 11885 (E 22) (2009-09)

Comment:
Data are property of Bonalytic GmbH but may be disclosed to third parties of Schaumann BioEnergy Consult

Values marked with '<' represent the quantification limit of the particular element.

Note: All comments and test results relate only to the sample as received.

Legend:

DM = Dry matter, Total-N = Total nitrogen, NH4+-N = Ammonium nitrogen, P = Phosphorus, P2O5 = Phosphorus pentoxide, K = Potassium, K2O = Potassium oxide, Mg = Magnesium, MgO = Magnesium oxide, Ca = Calcium, CaO = Calcium oxide, S = Sulfur, B = Boron, Cu = Copper, Co = Cobalt, Mn = Manganese, Zn = Zinc, n.s. = not specified, [1] = VDLUFA Methodenbuch, Band I, Kap. A2, 4. Auflage 1991, [2] = VDLUFA-Methodenbuch Band II, Kapitel 3.2.6 (4. Auflage 1995 mit 3. Ergänzungslieferung 2007, VDLUFA-Verlag, Darmstadt), * = accredited test method

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