

Sample no.	343659			Reception		02.07.2024
Sample type	Biochar			Completion		09.07.2024
Description	Euthenia Biochar			Fuel quality		Biochar
Comment	Muestra Biochar 2 BOLSAS					
Standard Tests	Unit	ar	ad	d	daf	Standard
Total moisture	wt-%	2,56				DIN 51718 (2002-06)
Inherent Moisture	wt-%		1,79			DIN 51718 (2002-06)
Carbon (C)	wt-%	79,92	80,55	82,02	87,56	DIN 51732 (2014-07)
Hydrogen (H)	wt-%	2,66	2,68	2,73	2,91	DIN 51732 (2014-07)
H/Corg		0,40				DIN 51732 (2014-07)
C organic ¹	wt-%	79,57	80,20	81,66	87,18	calculated
Nitrogen (N)	wt-%	1,35	1,36	1,38	1,48	DIN 51732 (2014-07)
Sulphur (S)	wt-%	0,01	0,01	0,01	0,01	DIN 51724-3 (2012-07)
Special Tests		Unit		Value		Standard
Bulk Density		kg/m³		206		DIN EN ISO 17828 (2016-05)
Conductivity ¹		µS/cm		304,0		DIN ISO 11265 (1994)
Salt content ¹		g/kg		1,605		BGK III. C2 (2006)
pH Value ¹				6,40		DIN ISO 10390 (2005)
Mill Test Certificate						Standard
	grain classes [mm]	proportion [wt.-%]	grain classes [mm]	cumulative [wt.-%]	DIN 66165-2 (2016-08)	
	> 20	0,99	> 20	0,99		
	20 - 16	2,82	> 16	3,81		
	16 - 12,5	6,78	> 12,5	10,59		
	12,5 - 8	20,76	> 8	31,35		
	8 - 4	34,95	> 4	66,30		
	4 - 2	13,10	> 2	79,40		
	2 - 1	7,56	> 1	86,96		
	1 - 0,5	4,83	> 0,5	91,79		
	< 0,5	8,21				
Surface- and Porosity Tests		Unit		Value		Standard
BET Preparation Temperature ¹		°C		150		DIN ISO 9277 (2014)
BET Preparation Time Vacuum ¹		h		2,0		DIN ISO 9277 (2014)
BET Multipoint (N2) ¹		m²/g		236,48		DIN ISO 9277 (2014)
External Report	Unit	ar	ad	d	Standard	
Carbonate-CO2 ¹	wt-%	1,3	1,3	1,3	DIN 51726 (2004)	