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Test report of biochar

Date: 2026.03.26

Sample information					
Sample name	木片炭		Sample weight		

Test elements

Test Ash

Test process		
Number of test	1	2
Crucible number	A	B
Crucible mass M_0 (g)	17.2057g	16.9046g
Sample and crucible mass M_1 (g)	18.204g	17.9022g
Sample mass (g) M_1-M_0	0.9983g	0.9976g
The mass of the crucible and the	17.2221g	16.922g
Total ash mass N (g) M_2-M_0	0.0164g	0.0174g
Total ash (%)	1.6%	1.7%
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)	
Average	1.69%	

Test Moisture

Test process					
Number of test	1	2			
Sample mass	3.475g	3.165g			
Moisture(%)	1.95%	1.86%			
Average	1.91%				

Test volatiles

Test process		
Number of test	1	2
Crucible number	A	B
Crucible mass M_0 (g)	24.4999g	24.2595g
Sample and crucible mass M_1 (g)	25.4709g	25.25g
Sample mass (g) M_1-M_0	0.971g	0.9905g
The mass of the crucible and the total volatiles M2 (g)	25.2699g	25.0453g
Total volatiles mass N (g)M_1-M_2	0.201g	0.2047g
Total Volatiles (%)	20.7%	20.7%
Calculation	Total volatiles (%)=100× (M_1-M_2) / (M_1-M_0)	
Average	20.68%	

Test fixed carbon

Test summary	
Moisture Mt%	1.91%
Analysis moisture Mad%	0.19%
Ash Aad%	1.69%
Volatiles Vad%	20.68%
SulfurSt.d%	
Fixed carbon Fcad%	77.43%
Coke 1-8 CRC	1
High calorific value Kcal/kg	7752 Kcal/Kg
Low calorific value Kcal/kg	7590 Kcal/Kg

Noted:The above data is for reference only	Test person:	Check: