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Test report of biochar

Date: 2026.05.13

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Sample information					
Sample name	木片炭		Sample weight		
Test elements					
Test Ash			Test Moisture		
Test process			Test process		
Number of test	1	2	Number of test	1	2
Crucible number	A	B	Sample mass	3.115g	3.28g
Crucible mass M ₀ (g)	17.1723g	17.7172g	Moisture(%)	1.98%	1.22%
Sample and crucible mass M ₁ (g)	18.1517g	18.6916g	Average		1.60%
Sample mass (g) M ₁ -M ₀	0.9794g	0.9744g			
The mass of the crucible and the	17.3023g	17.8444g			
Total ash mass N (g) M ₂ -M ₀	0.13g	0.1272g			
Total ash (%)	13.3%	13.1%			
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)				
Average		13.16%			
Test volatiles			Test fixed carbon		
Test process			Test summary		
Number of test	1	2	Moisture Mt%	1.60%	
Crucible number	A	B	Analysis moisture Mad%	0.16%	
Crucible mass M ₀ (g)	24.1792g	25.1093g	Ash Aad%	13.16%	
Sample and crucible mass M ₁ (g)	25.1589g	26.0834g	Volatiles Vad%	8.57%	
Sample mass (g) M ₁ -M ₀	0.9797g	0.9741g	SulfurSt.d%		
The mass of the crucible and the total volatiles M2 (g)	25.0727g	26.0021g	Fixed carbon Fcad%	78.10%	
Total volatiles mass N (g)M ₁ -M ₂	0.0862g	0.0813g	Coke 1-8 CRC	1	
Total Volatiles (%)	8.8%	8.3%	High calorific value Kcal/kg	6321 Kcal/Kg	
Calculation	Total volatiles (%)=100× (M ₁ -M ₂) / (M ₁ -M ₀)		Low calorific value Kcal/kg	6185 Kcal/Kg	
Average		8.57%			
Noted:The above data is for reference only			Test person:	Check:	