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Test report of biochar

Date: 2026.05.08

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Sample information					
Sample name	稻壳炭		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	3.035g	3.135g
Crucible mass M ₀ (g)	17.1581g	17.7102g	Moisture(%)	1.38%	0.86%
Sample and crucible mass M ₁ (g)	18.0814g	18.6767g	Average	1.12%	
Sample mass (g) M ₁ -M ₀	0.9233g	0.9665g			
The mass of the crucible and the total ash M ₂ (g)	17.5783g	18.15g			
Total ash mass N (g) M ₂ -M ₀	0.4202g	0.4398g			
Total ash (%)	45.5%	45.5%			
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)				
Average	45.51%				
Test volatiles			Test fixed carbon		
Test process			Test summary		
Number of test	1	2	Moisture Mt%	1.12%	
Crucible number	A	B	Analysis moisture Mad%	0.11%	
Crucible mass M ₀ (g)	24.1782g	25.1078g	Ash Aad%	45.51%	
Sample and crucible mass M ₁ (g)	25.1331g	26.0485g	Volatiles Vad%	8.90%	
Sample mass (g) M ₁ -M ₀	0.9549g	0.9407g	SulfurSt.d%		
The mass of the crucible and the total volatiles M2 (g)	25.0473g	25.9656g	Fixed carbon Fcad%	45.48%	
Total volatiles mass N (g)M ₁ -M ₂	0.0858g	0.0829g	Coke 1-8 CRC	3	
Total Volatiles (%)	9.0%	8.8%	High calorific value Kcal/kg	4324 Kcal/Kg	
Calculation	Total volatiles (%)=100× (M ₁ -M ₂) / (M ₁ -M ₀)		Low calorific value Kcal/kg	4282 Kcal/Kg	
Average	8.90%				
Noted:The above data is for reference only			Test person:	Check:	