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Test report of biochar

Date: 2026.03.02

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Sample information					
Sample name	棕榈壳炭		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	3.61g	3.885g
Crucible mass M ₀ (g)	17.1169g	17.3594g	Moisture(%)	1.44%	1.39%
Sample and crucible mass M ₁ (g)	18.1171g	18.3593g	Average	1.42%	
Sample mass (g) M ₁ -M ₀	1.0002g	0.9999g			
The mass of the crucible and the	17.2135g	17.4562g			
Total ash mass N (g) M ₂ -M ₀	0.0966g	0.0968g			
Total ash (%)	9.7%	9.7%			
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)				
Average	9.67%				
Test volatiles			Test fixed carbon		
Test process			Test summary		
Number of test	1	2	Moisture Mt%	1.42%	
Crucible number	A	B	Analysis moisture Mad%	0.14%	
Crucible mass M ₀ (g)	23.7653g	24.9859g	Ash Aad%	9.67%	
Sample and crucible mass M ₁ (g)	24.7652g	25.9857g	Volatiles Vad%	7.31%	
Sample mass (g) M ₁ -M ₀	0.9999g	0.9998g	SulfurSt.d%		
The mass of the crucible and the total volatiles M2 (g)	24.6922g	25.9126g	Fixed carbon Fcad%	82.88%	
Total volatiles mass N (g)M ₁ -M ₂	0.073g	0.0731g	Coke 1-8 CRC	1	
Total Volatiles (%)	7.3%	7.3%	High calorific value Kcal/kg	7674 Kcal/Kg	
Calculation	Total volatiles (%)=100× (M ₁ -M ₂) / (M ₁ -M ₀)		Low calorific value Kcal/kg	7556 Kcal/Kg	
Average	7.31%				
Noted:The above data is for reference only			Test person:	Check:	