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Test report of biochar

Date: 2026.04.26

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Sample information					
Sample name	核桃壳炭		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	3.55g	3.775g
Crucible mass M ₀ (g)	17.746g	16.5537g	Moisture(%)	0.84%	0.79%
Sample and crucible mass M ₁ (g)	18.6954g	17.4856g	Average		0.82%
Sample mass (g) M ₁ -M ₀	0.9494g	0.9319g			
The mass of the crucible and the total ash M ₂ (g)	17.7813g	16.5899g			
Total ash mass N (g) M ₂ -M ₀	0.0353g	0.0362g			
Total ash (%)	3.7%	3.9%			
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)				
Average		3.80%			
Test volatiles			Test fixed carbon		
Test process			Test summary		
Number of test	1	2	Moisture Mt%	0.82%	
Crucible number	A	B	Analysis moisture Mad%	0.08%	
Crucible mass M ₀ (g)	25.1482g	24.2088g	Ash Aad%	3.80%	
Sample and crucible mass M ₁ (g)	26.0906g	25.154g	Volatiles Vad%	8.65%	
Sample mass (g) M ₁ -M ₀	0.9424g	0.9452g	SulfurSt.d%		
The mass of the crucible and the total volatiles M2 (g)	26.0132g	25.0681g	Fixed carbon Fcad%	87.47%	
Total volatiles mass N (g)M ₁ -M ₂	0.0774g	0.0859g	Coke 1-8 CRC	1	
Total Volatiles (%)	8.2%	9.1%	High calorific value Kcal/kg	7519 Kcal/Kg	
Calculation	Total volatiles (%)=100× (M ₁ -M ₂) / (M ₁ -M ₀)		Low calorific value Kcal/kg	7456 Kcal/Kg	
Average		8.65%			
Noted:The above data is for reference only			Test person:	Check:	