



Test report of biochar

Date: 2026.04.09			Sender: 李蒙蒙		
Sample information					
Sample name	500℃杏壳炭		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	3.955g	3.345g
Crucible mass M ₀ (g)	16.5393g	17.7163g	Moisture(%)	0.50%	0.11%
Sample and crucible mass M ₁ (g)	17.5345g	18.7057g	Average	0.31%	
Sample mass (g) M ₁ -M ₀	0.9952g	0.9894g			
The mass of the crucible and the	16.6108g	17.8121g			
Total ash mass N (g) M ₂ -M ₀	0.0715g	0.0958g			
Total ash (%)	7.2%	9.7%			
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)				
Average	8.43%				
Test volatiles			Test fixed carbon		
Test process			Test summary		
Number of test	1	2	Moisture Mt%	0.31%	
Crucible number	A	B	Analysis moisture Mad%	0.03%	
Crucible mass M ₀ (g)	23.4661g	23.9044g	Ash Aad%	8.43%	
Sample and crucible mass M ₁ (g)	24.4604g	24.9018g	Volatiles Vad%	12.94%	
Sample mass (g) M ₁ -M ₀	0.9943g	0.9974g	SulfurSt.d%		
The mass of the crucible and the total volatiles M2 (g)	24.3305g	24.7739g	Fixed carbon Fcad%	78.59%	
Total volatiles mass N (g)M ₁ -M ₂	0.1299g	0.1279g	Coke 1-8 CRC	1	
Total Volatiles (%)	13.1%	12.8%	High calorific value Kcal/kg	6839 Kcal/Kg	
Calculation	Total volatiles (%)=100× (M ₁ -M ₂) / (M ₁ -M ₀)		Low calorific value Kcal/kg	6802 Kcal/Kg	
Average	12.94%				
Noted:The above data is for reference only			Test person:	Check:	