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Test report of biochar

19/01/2026

Sample information					
Sample name	棕榈叶炭		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	3.015g	3.085g
Crucible mass M_0 (g)	17.5511g	18.1678g	Moisture(%)	1.39%	1.03%
Sample and crucible mass M_1 (g)	18.5511g	19.1679g	Average	1.21%	
Sample mass (g) M_1-M_0	1g	1.0001g			
The mass of the crucible and the total ash M2 (g)	17.6363g	18.2568g			
Total ash mass N (g) M_2-M_0	0.0852g	0.089g			
Total ash (%)	8.5%	8.9%			
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)				
Average	8.71%				

Test volatiles			**Test fixed carbon**	
Test process			Test summary	
Number of test	1	2	Moisture Mt%	1.21%
Crucible number	A	B	Analysis moisture Mad%	0.12%
Crucible mass M_0 (g)	24.3186g	25.5721g	Ash Aad%	8.71%
Sample and crucible mass M_1 (g)	25.3186g	26.5721g	Volatiles Vad%	20.60%
Sample mass (g) M_1-M_0	1g	1g	SulfurSt.d%	
The mass of the crucible and the total volatiles M2 (g)	25.1125g	26.366g	Fixed carbon Fcad%	70.57%
Total volatiles mass N (g)M_1-M_2	0.2061g	0.2061g	Coke 1-8 CRC	1
Total Volatiles (%)	20.6%	20.6%	High calorific value Kcal/kg	7274 Kcal/Kg
Calculation	Total volatiles (%)=100× (M_1-M_2) / (M_1-M_0)		Low calorific value Kcal/kg	7194 Kcal/Kg
Average	20.60%			

Noted:The above data is for reference only	Test person:	Check: