

PT KADYA CARAKA MULIA

Proximate Analysis		KCM	Units
Gross Calorific Value	DB		kcal/kg
	ADB	6,150	kcal/kg
	ARB	5,800	kcal/kg
Total Moisture	ARB	12.00	%
Inherent Moisture	ADB	5.50	%
Fixed Carbon	ADB	By Balance	%
Volatile Matter	ADB	38-43	%
Ash Content	ADB	20.00	%
Total Sulphur	ADB	0.90	%
Ultimate Analysis			Units
Ash	DB	21.15	%
Carbon	DB	61.00	%
Hydrogen	DB	6.34	%
Nitrogen	DB	1.35	%
Sulphur	DB	1.14	%
Oxygen	DB	9.02	%
Ultimate Analysis			Units
Carbon	DAF	81.00	%
Hydrogen	DAF	6.80	%
Nitrogen	DAF	1.45	%
Oxygen (+ Error)	DAF	9.54	%
Sulphur	DAF	1.21	%
Ash Analysis			Units
SiO ₂	DB	53.98	%
Al ₂ O ₃	DB	31.13	%
Fe ₂ O ₃	DB	7.47	%
CaO	DB	2.41	%
MgO	DB	0.69	%
Na ₂ O	DB	0.21	%
K ₂ O	DB	0.78	%
P ₂ O ₅	DB	0.36	%
TiO ₂	DB	1.79	%
SO ₃	DB	0.76	%
Mn ₃ O ₄	DB	1.55	%
Ash Fusion Temperature			Units
Initial Deformation	Reducing	1,450	°C
Spherical	Reducing	1,500	°C
Hemispherical	Reducing	1,530	°C
Flow	Reducing	1,590	°C
Ash Fusion Temperature			Units
Initial Deformation	Oxidizing	1,400	°C
Spherical	Oxidizing	1,420	°C
Hemispherical	Oxidizing	1,470	°C
Flow	Oxidizing	1,500	°C
HGI		45-50	Point
Trace Elements			Units
Fluorine (F)	ADB	38.00	ppm
Chlorine (Cl)	ADB	104	ppm
Boron (B)	ADB	58	ppm
Mercury (Hg)	ADB	0.03	ppm
Selenium (Se)	ADB	0.68	ppm
Arsenic (As)	ADB	2.77	ppm
Cadmium (Cd)	ADB		ppm

