

Certificate No. 05484/EOBOAK  
Date: October 18, 2017



Issuing Office:  
Jl. Jend. A. Yani. No. 315 Surabaya 60234, Indonesia  
Phone/Facs: +62 31 8470547/8470563  
Email: labsurabaya@sucofindo.co.id

## REPORT OF ANALYSIS

CLIENT : **CV. MAHKOTA CITRA MANDIRI**  
Jl. Pogot 27 RT. 002 RW. 005 Tanah Kali Kedinding, Kenjeran  
Surabaya – Jawa Timur.

THE FOLLOWING SAMPLE (S) WAS/ WERE SUBMITTED AND IDENTIFIED BY CLIENT AS :

TYPE OF SAMPLE : **CHARCHOAL**  
DATE OF RECEIVED : October 13, 2017  
DATE OF ANALYSIS : October 14 up to 18, 2017  
TEST REQUIRED : Full Analysis  
DESCRIPTION OF SAMPLE : Form : Charcoal  
Weight / Volume : ± 1 Kg.  
Packing : Unsealed plastic bag.  
SAMPLE IDENTIFICATION (STATED BY CLIENT) : ---

We have tested the sample (s) submitted and the following results were obtained :

Parameters	Unit	AR (As Received )	DB (Dry Basis)	Test Method
Total Moisture	% wt	3.7	---	ASTM D 2961 – 17
Ash Content	% wt	1.7	1.7	ASTM D 3174 – 12
Volatile Matter	% wt	35.2	36.5	ASTM D 3175 – 17
Fixed Carbon	% wt	59.4	61.8	ASTM D 3172 – 13
Total Sulfur	% wt	0.15	0.15	ASTM D 4239 – 14e2
Gross Calorific Value	Kcal/Kg	6783	7044	ASTM D 5865 – 13

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Dept. of Commercial 3 - Coal and Minerals



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Muhammad Soleh



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SCI-2007A

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Surabaya – Jawa Timur.

THE FOLLOWING SAMPLE (S) WAS/ WERE SUBMITTED AND IDENTIFIED BY CLIENT AS :

TYPE OF SAMPLE : **CHARCHOAL**  
DATE OF RECEIVED : October 13, 2017  
DATE OF ANALYSIS : October 14 up to 18, 2017  
TEST REQUIRED : Full Analysis  
DESCRIPTION OF SAMPLE : Form : Charchoal  
Weight / Volume : ± 1 Kg.  
Packing : Unsealed plastic bag.  
SAMPLE IDENTIFICATION (STATED BY CLIENT) : ---

We have tested the sample (s) submitted and the following results were obtained :

Parameters	Unit	AR (As Received)	DB (Dry Basis)	Test Method
Total Moisture	% wt	3.7	---	ASTM D 2961 - 17
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