

Report No. M02206/EOBOAS  
Date: October 30, 2025

Issuing Office:  
Jl. Jend. A. Yani. No. 315 Surabaya 60234, Indonesia  
Phone/Facs: +62 31 8470547/8470635  
Email: labsurabaya@sucofindo.co.id

## REPORT OF ANALYSIS

CLIENT : **PT. SEMANGAT NANTA ENERGY**  
Jl. Raya Mangin Blok Rancasenggang, Kel. Cibuni Geulis  
Kec. Bungursari, Kota Tasikmalaya, Jawa Barat

THE SAMPLE WAS SUBMITTED BY THE CLIENT WITH THE FOLLOWING IDENTIFICATION:

TYPE OF SAMPLE : **BIOMASS**  
DATE OF RECEIVED : October 23, 2025  
DATE OF ANALYSIS : October 24 up to 30, 2025  
TEST REQUIRED : Full Analysis  
DESCRIPTION OF SAMPLE : Form : Solid  
Weight / Volume :  $\pm 3$  Kg  
Packing : Plastic Bag  
SAMPLE IDENTIFICATION : **WOOD PELLET**  
(STATED BY CLIENT)

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

Parameters	Unit	AR	ADB	DB	Test Method
Total Moisture	% wt	6.85	---	---	ASTM E871 - 82 (2019)
Moisture in the Analysis Sample	% wt	---	1.61	---	PO / SBA-MIN-BB / 46
Ash Content	% wt	2.70	2.85	2.90	ASTM D1102 - 84 (2013)
Volatile Matter	% wt	73.90	78.06	79.34	ASTM E872 - 82 (2019)
Fixed Carbon	% wt	16.55	17.48	17.76	PO / SBA-MIN-BB / 46
Total Sulfur	% wt	0.09	0.09	0.09	
Gross Calorific Value	Kcal/Kg	4432	4681	4758	
Nett Calorific Value	Kcal/Kg	4113	4377	4458	
Total Chlorine (Cl) <i>in Sample</i>	% wt	0.10			PO / BB / 46
Bulk Density	Kg/m³	599.07			ASTM D 1895
Ultimate Analysis:					
Carbon	% wt	45.33	47.88	48.66	ASTM D5373 - 21 Method A
Hydrogen (*)	% wt	5.36	5.66	5.75	
Nitrogen	% wt	0.42	0.44	0.45	
Oxygen (*)	% wt	39.25	41.47	42.15	ASTM D3176 – 24

AR : As Received

ADB : Air Dried Basis

DB : Dry Basis

(\*) Hydrogen and Oxygen do not include H and Ox sample moisture

This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at [www.sucofindo.co.id](http://www.sucofindo.co.id)

Dept. Of Mineral and Coal Inspection and Testing

LSB/7103/50/000498/10/2025/M



Arie Hartono  
**SUCOFINDO**

