

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

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## 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 : ± 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	
Total Sulfur	% wt	0.09	0.09	0.09	
Gross Calorific Value	Kcal/Kg	4432	4681	4758	PO / SBA-MIN-BB / 46
Nett Calorific Value	Kcal/Kg	4113	4377	4458	
Total Chlorine (Cl) in Sample	% wt		0.10		PO / BB / 46
Bulk Density	Kg/m <sup>3</sup>		599.07		ASTM D 1895
<b>Ultimate Analysis:</b>					
Carbon	% wt	45.33	47.88	48.66	
Hydrogen (*)	% wt	5.36	5.66	5.75	ASTM D5373 - 21 Method A
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

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Dept. Of Mineral and Coal Inspection and Testing



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

