

# ANALYSIS OF WHITE PELLETS

Report No. 07291/EOBOAQ  
Date: May 12, 2023

  
Jl. Jend. A. Yani. No. 315 Surabaya 60234, Indonesia  
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REPORT OF ANALYSIS

CLIENT

: PEGGI DAVID  
Pergudangan Meiko Abadi 7 Blok E 18-19  
Jimbaran Wetan, Wonoayu  
Kab. Sidoarjo, Jawa Timur

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

TYPE OF SAMPLE : PELLET  
DATE OF RECEIVED : May 5, 2023  
DATE OF ANALYSIS : May 6 up to 15, 2023  
TEST REQUIRED : Proximate analysis & Bulk Density  
DESCRIPTION OF SAMPLE : Form : Solid  
Weight / Volume : ± 3 Kg  
Packing : Plastic bag

SAMPLE IDENTIFICATION (STATED BY CLIENT)

: WOOD PELLET

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

| Parameters          | Unit    | AR<br>(As received) | DB<br>(Dry Basis) | Test Method                |
|---------------------|---------|---------------------|-------------------|----------------------------|
| Total Moisture      | % wt    | 1.89                | ---               | ASTM E871 - 82 (2019)      |
| Ash Content         | % wt    | 5.00                | 5.10              | ASTM D1102 - 84 (2013)     |
| Volatile Matter     | % wt    | 74.12               | 75.55             | ASTM E872 - 82 (2019)      |
| Fixed Carbon        | % wt    | 18.99               | 19.35             | ASTM D3172 - 13 (2021)e1   |
| Total Sulfur        | % wt    | 0.07                | 0.07              | ASTM D4239 - 18e1 Method A |
| Gross Caloric Value | Kcal/Kg | 4269                | 4351              | ASTM D5865/D5865M - 19     |

| Parameters   | Unit  | Test Result | Test Method |
|--------------|-------|-------------|-------------|
| Bulk Density | Kg/m³ | 706.29      | ASTM D 1895 |

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Dept. Of Mineral and Coal Inspection and Testing

  
I Gusti Ngurah Arya Wijaya  
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SCI-2007A

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{Nomor Sertifikat}  
Date: August 9, 2024

Issuing Office:

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REPORT OF ANALYSIS

CLIENT

PEGGI DAVID  
Pergudangan Meiko Abadi 7 Blok E 18 - 19 RT. 000 RW. 000  
Jimbaran, Wetan, Wonoayu, Kab. Sidoarjo Jawa Timur

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

TYPE OF SAMPLE : WOOD PELLET  
DATE OF RECEIVED : July 31, 2024  
DATE OF ANALYSIS : August 1 up to 9, 2024  
TEST REQUIRED : Mean analysis  
DESCRIPTION OF SAMPLE : Form : Solid  
Weight / Volume : ± 5 Kg  
Packing : Plastic bag

SAMPLE IDENTIFICATION (STATED BY CLIENT)

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

| Parameters    | Unit  | Test Result | Test Method     |
|---------------|-------|-------------|-----------------|
| Sodium (Na)   | % wt  | 0.36        | ASTM D6357 - 11 |
| Potassium (K) | % wt  | 0.32        |                 |
| Bulk Density  | Kg/m³ | 591.52      | ASTM D 1895     |

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Dept. Of Mineral and Coal Inspection and Testing

71030524002087

Iwan Sasmito

## AR (As recived)

Gross Caloric Value  
**4269 Kcal/Kg**

Total Moisture  
**1.89% wt**

Ash Content  
**5.00% wt**

Volatile Matter  
**74.12 % wt**

Fixed Carbon  
**18.99% wt**

Total Sulfur  
**0.07 % wt**

Potassium  
**0.36% (3600 PPM)**

Natrium  
**0.32% (3200 PPM)**

Bulk Density  
**706.29 Kg/m^3**

## DB (Dry basis)

Gross Caloric Value  
**4351 Kcal/Kg**

Total Moisture  
**-**

Ash Content  
**5.10% wt**

Volatile Matter  
**75.55 % wt**

Fixed Carbon  
**19.35% wt**

Total Sulfur  
**0.07 % wt**