



INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA
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SULIT

Ruj. Tuan:
Ruj. Kami: FRIM.600-5/6/23JLD4 (9f)(S)
Tarikh: 23 Jun 2026

MIE Sustainable Energy Sdn. Bhd.
Lot PT 1366-A
Kerteh Polymer Park,
24300 Kemaman,
Terengganu
(u.p. Hasrol Hairi bin Hamzah)

Tuan,

ANALISA OF PELLET & BRIQUETTE

Dengan segala hormatnya saya merujuk kepada perkara tersebut di atas.

2. Bersama-sama ini disertakan laporan ujian 23/06/26 & 24/06/26 (CL1626) di dalam LAMPIRAN 1 yang telah dijalankan oleh institut ini untuk makluman dan simpanan tuan.
3. Sayugia dimaklumkan bahawa sampel hanya akan disimpan selama enam (6) bulan di makmal. Sebarang ujian tambahan atau bantahan perlu dikemukakan dalam tempoh masa ini.

Sekian, terima kasih.

"MALAYSIA MADANI"
"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

(ChM SHAHARUDDIN BIN HASHIM)
b.p. Ketua Pengarah FRIM

SULIT



MAKMAL BIOTENAGA (BE)
INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA (FRIM)
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LAMPIRAN 1

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TEST REPORT

Report No: 1	Job No: CL 1626
Report content: 2 pages	Page 1 of 2
This report is neither a certificate of quality nor an approval certificate. This report only covers samples supplied by the customer to be tested at FRIM. Bioenergy Laboratory (BE) is not responsible in the selection of samples for testing. This report or any part of it cannot be published or used for any other purposes except with the permission from FRIM.	

Company MIE Sustainable Energy Sdn. Bhd.
Lot PT 1366-A
Kerteh Polymer Park,
24300 Kemaman,
Terengganu
Test item **PELLET & BRIQUETTE**
Condition of test item Good
Date of received 4 June 2026
Date of test 4-11 June 2026

ANALYSIS	PELLET (23/06/26)	BRIQUETTE (24/06/26)
Moisture Content (%)	6.87	8.65
Volatile Matter (%)	N. A	13.11
Ash Content (%)	0.58	5.05
Fixed Carbon (%)	N. A	73.19
Calorific Value • MJ/kg • Kcal/kg	N. A	26.9 6417
Density/Bulk density (kg/m ³)	589	1021

Approved by:

ChM SHAHARUDDIN BIN HASHIM
b.p. Ketua Pengarah FRIM

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ANALYSIS	PELLET (23/06/26)	BRIQUETTE (24/06/26)
Diameter (mm)	8.1	N. A
Length (mm)	29.6	N. A
Durability (%)	98.9	N. A
Fines (%)	0.84	N. A

Note: N.A: Not Applicable

.....END OF REPORT.....

Approved by:

ChM SHAHARUDDIN BIN HASHIM
b.p. Ketua Pengarah FRIM

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