

**CONFIDENTIAL**TEST REPORT

Report No: 1	Job No: CL 4324
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Company MIE Sustainable Energy Sdn Bhd  
 Lot Pt 13662 – A, Kerteh Polymer Park,  
 Mukim Kerteh,  
 24300, Kemaman,  
**TERENGGANU**

Test item **WOOD PELLET**

Condition of test item Good


Date receipt 7 Ogos 2024

Date of test 14 Ogos 2024

ANALYSIS	WOOD PELLET
Moisture content (%)	7.09
Ash content (%)	1.50
Net Calorific value	
• MJ/kg	18.46
• Kcal/kg	4408
Classification of Pellet length (%)	
• ≤ 10 mm	1.98
• 10 – 50 mm	64.92
• ≥ 50 mm	33.10
Bulk density (kg/m <sup>3</sup> )	560
Durability (%)	98.6

.....END REPORT.....

Approved by:

  
 Dr Mahanim Sarif @ Mohd Ali  
 Research Officer  
 Bioenergy Laboratory

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**SULIT****LAPORAN UJIAN ( TEST REPORT)**

<b>REPORT NO: BK 28/24</b>	<b>NO KERJA: D28/24</b>
<b>LAPORAN INI MENGANDUNGI 2 MUKASURAT</b>	<b>MUKASURAT 2 DARIPADA 2</b>
Laporan ini BUKAN Sijil Penentuan Kualiti dan Bukan Sijil Kelulusan. Laporan ini hanya meliputi sampel-sampel yang dikemukakan ke FRIM dan diuji di FRIM. Laporan ini atau sebahagian daripadanya tidak boleh diterbitkan atau digunakan untuk tujuan pengiklanan dalam apa jua bentuk melainkan atas kebenaran bertulis daripada pihak FRIM yang bertanggungjawab.	

Bil	No. Sampel	No. Makmal	K (%)	Na (%)	Zn (ppm)
			AKB-11	AKB-11	AKB-11
1.	84/08	D313/8/24	0.23	0.04	12.01

Bil	No. Sampel	No. Makmal	As (ppm)	Pb (ppm)	Cd (ppm)	Cr (ppm)
			AKB-11	AKB-11	AKB-11	AKB-11
1.	84/08	D313/8/24	ND	1.17	ND	ND

**Nota:**


1. Result reported as dry weight basis.
2. ND = Not Detectable

**.....END REPORT.....**

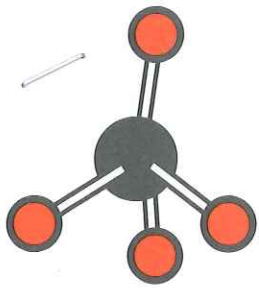
Disediakan oleh:

  
**(Mohamad Izwan Jaimi)**  
 Pembantu Penyelidik Kanan  
 Makmal Kimia Tanah

Diluluskan oleh :

  
**(ChM. Dr. V. Jeyanny Vijayanathan)**  
 Pegawai Penyelidik Kanan  
 Makmal Kimia Tanah  
 No Keahlian IKM : L/2867/8480/19

**SULIT**



# INDELAB SDN. BHD.

(160953-K)

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**Member Analyst to FOSFA INTERNATIONAL**

OUR REF NO. : G/0824/0150  
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DATE RECEIVED : 7<sup>TH</sup> AUGUST 2024  
TEST COMMENCES : 7<sup>TH</sup> AUGUST 2024  
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## CERTIFICATE OF ANALYSIS

ONE (1) SAMPLE SUBMITTED BY: **MIE SUSTAINABLE ENERGY SDN.BHD.**  
LOT PT 13662, KERTEH POLYMER PARK,  
24300 KEMAMAN, TERENGGANU,

SAMPLE DESCRIPTION : WOOD PALLET

### TEST RESULT:-

		PARTICLE SIZE, % (METHOD:SIEVING)
PARTICLE SIZE(wet sieving)		
<3.15 mm	....	99.5
<2.0 mm	....	98.1
<1.0 mm	....	87.2

**INDELAB SDN. BHD.**

  
.....  
**LAI KOON CHOW**  
B. Sc (Hons) MU; AMIC  
IKM NO.: M/1182/2248/92  
Chemist

THE RESULTS IN THIS REPORT APPLY TO THE SAMPLE AS RECEIVED.  
THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT APPROVAL OF THE MANAGING DIRECTOR.