

Our Ref. : ITSPK/LB/5187/2021

Date Received : 27th October 2021
Date Tested : 27th October – 12th November 2021
Date Issued : 12th November 2021

CERTIFICATE OF ANALYSIS

The following is a report on the analysis of one (1) sample stated to be **WOOD PELLET**.
The samples were tested at ITS Testing Services (M) Sdn Bhd in accordance with the test method(s) stipulated.

Representing : **TECHNIRAY SDN BHD**
2320, Jalan Alma,
14000 Bukit Mertajam, Penang

Results of Analysis

No	Test Parameter		Method	Unit	Results
1.	Diameter	-	Visual Measure	mm	8.4
2.	Length	-	Visual Measure	mm	49
3.	Bulk Density	(As Received Basis)	In-house	kg/m ³	645
4.	Total Moisture	(As Received Basis)	BS EN 18134	%wt	8.46
5.	Gross Calorific Value	(As Dry Basis)	ISO 18125	kcal/kg	4853
6.	Net Calorific Value	(As Received Basis)	ISO 18125	kcal/kg	4135
7.	Net Calorific Value	(As Dry Basis)	ISO 18125	kcal/kg	4517
8.	Ash	(As Dry Basis)	ISO 18122	%wt	0.56
9.	Sulphur	(As Dry Basis)	BS EN ISO 16994 & ISO 11885	%wt	0.006
10.	Nitrogen	(As Dry Basis)	BS EN ISO 16948	%wt	0.50
11.	Chlorine	(As Dry Basis)	BS EN ISO 16994 & *Ion Chromatography	%wt	0.052
12.	Arsenic	(As Dry Basis)	BS EN ISO 16968	mg/kg	< 1
13.	Cadmium	(As Dry Basis)		mg/kg	< 1
14.	Chromium	(As Dry Basis)		mg/kg	4
15.	Copper	(As Dry Basis)		mg/kg	< 1
16.	Mercury	(As Dry Basis)		mg/kg	< 1
17.	Nickel	(As Dry Basis)		mg/kg	< 1
18.	Lead	(As Dry Basis)		mg/kg	< 1
19.	Zinc	(As Dry Basis)		mg/kg	< 1
20.	Sodium	(As Dry Basis)		BS EN ISO 16967	mg/kg
21.	Potassium	(As Dry Basis)		mg/kg	595

ITS TESTING SERVICES (M) SDN. BHD.

C.W. NURMAUDIN
TECHNICAL MANAGER
B.Sc., LMIC
L/1308/4209/2001



The tests were performed on the samples as received. The test results relate only to the items tested.

Disclaimer: This report (including any enclosures and attachments) has been prepared for the exclusive use and benefit of the addressee(s) and solely for the purpose for which it is provided. Unless we provide express prior written consent, no part of this report should be reproduced, distributed or communicated to any third party. We do not accept any liability if this report is used for an alternative purpose from which it is intended, not do we owe any duty of care to any third party in respect of this report.

-----END OF REPORT-----

TERMS AND CONDITIONS OF BUSINESS

The issuance of this document does not exonerate any party from exercising all their rights and discharging all their liabilities under contract of Sale. Stipulations to the contrary are not binding on ITS Testing Services (M) Sdn. Bhd.

All activities are undertaken on the basis of the applicable ITS Testing Services (M) Sdn. Bhd. Terms and Conditions of Business. No party should attempt to use or rely upon the contents of this document without having read and understood the Terms and Conditions applicable thereto. A copy of which can be obtained from our website at www.intertek.com/terms/ or will be provided upon request.

