

SUBMITTED SAMPLE ANALYTICAL REPORT

SGS Reference: SS18-00289

Client Reference: EFB PELLET

Date Issued: 13 June 2018

Client Reference 2.: Sample ID provided by client

Date(s) Tested 12 June 2018

Sample Type: Solid bio fuels

Principal: PT. Toba Hijau Sinergi

Sample Received From: Client

Address: Jl. Gatot Subroto Komplek Makro Bisnis Centre

Sample Description: Packed in plastic bag, good condition

Lt 03C No. 27, Lalang medan sunggal

Date Sample received: 11 June 2018

City, State, Postal: Medan, Sumatera Utara

Sample Seal Number(s): Without seal

Country: Indonesia

Attention: Ms. Nelly

METHODS: Analysis performed on a SUBMITTED SAMPLE(s). Analysis performed in accordance with ASTM Standards or other International Standards stipulated on the Methods Page

The sample(s), to which the findings recorded herein (the "FINDINGS") relate, was (were) drawn and / or provided by the Client or a third party acting on Client's directions. The Findings constitute no warranty of the sample's representativity of all the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is /are said to be extracted.

Description of Sample :

0.855 kg Solid bio fuels sample was supplied by PT. Toba Hijau Sinergi

Sample was packed in waterproof plastic bag, good condition, without seal

Sample appeared to contain no "stone" or "rock"

Sample nominal top size is around 10 mm

Note :

Determination of the Ash Content at 550 Deg C

Analysis marked with: * denotes SGS accredited test; with # denotes SGS non-accredited test, with ** performed by a Third Party Laboratory - accredited test; with ## performed by Third Party Laboratory - non-accredited test . See METHODS PAGE for more details.

Values are reported to relevant number of significant decimal places. This can result in small rounding differences between Moisture Conversions.

			As-Received Basis (ar)	As-Determined Basis (ad)	Dry Basis (db)	Dry Ash-Free Basis (daf)	
Proximate Analysis	Moisture	%	7.90	5.49	----	----	
	Ash	%	9.70	9.95	10.53	----	
	ASTM Volatile Matter	%	65.09	66.79	70.67	78.99	
	Fixed Carbon (calculation by difference)	%	17.31	17.77	18.80	21.01	
	Total Sulfur	%	0.09	0.09	0.10	0.11	
Gross Calorific Value			kcal/kg	4123	4231	4477	5004



For and on behalf of
PT. SGS Indonesia

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Sample Received From: Client
Sample Description: Packed in plastic bag, good condition
Date Sample received: 11 June 2018
Sample Seal Number(s): Without seal

Date Issued: 13 June 2018
 Date(s) Tested: 12 June 2018
 Principal: PT. Toba Hilir Sinergi
 Address: Jl. Gasek Subroto Komplek Makro Bantia Centre
 Lt 08C No. 27, Lelang medang sunggal
 City, State, Postal: Medan, Sumatera Utara
 Country: Indonesia
 Attention: Ms. Nelly

METHODS

ACCREDITATION STATUS: SGS Laboratory: SELECT * if analysis is included in the SGS Accreditation; Select # if analysis is NOT included in the SGS Accreditation.

Third Party Laboratory (internal or external): SELECT **, if analysis is performed by an Accredited - Third Party Laboratory*, SELECT ## if analysis is performed a NON-Accredited Third Party Laboratory.

[illegible]

Additional Information required by the Accreditation Body:-

NOTE: ALL Tests subcontracted to a Third Party Laboratory (internal or external), or marked as "A, ## Not Accredited", are not included in the SGS ISO 17025 Laboratory Accreditation.

Signed and dated
Samarinda
13 June 2018

For and on behalf of
PT. SGS Indonesia

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