

**SUBMITTED SAMPLE ANALYTICAL REPORT**

SGS Reference: SS22-495
Client Reference: NIMEC / PT. GIP
Client Reference 2.: Sample ID Iprovided by client
Sample Type: Coal
Sample Received From: Client
Sample Description: Plastic bag, good condition without seal
Date Sample received: 25 August 2022
Seal Numbers:
DATE CONFIRMATION 30 August 2022

Date Issued: 30 August 2022
Date(s) Tested: 06 Sept 2022
Principal: PT. Glory Irfan Perkasa/ NIMEC
Address: Jl. Jend Sudirman, Gedung Sudirman
 Grand Sudirman No. 09
City, State, Postal: Balikpapan
Country: Indonesia
Attention: Mr. Baso Hasanuddin / Ronny

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.

Additional Information 1

7.275 kg coal sample supplied by Client
 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 50 mm

Analysis performed in accordance with ASTM Standards or other International Standards and SGS Procedures.

			As-Received Basis (ar)	As-Determined Basis (ad)	Dry Basis (db)	Dry Ash-Free Basis (daf)
Proximate Analysis	Moisture	%	23.01	11.89	-----	-----
	Ash	%	2.75	3.15	3.58	-----
	ASTM Volatile Matter	%	36.80	42.12	47.80	49.58
	Fixed Carbon (calculation by difference)	%	37.44	42.84	48.62	50.42
	Total Sulfur	%	0.58	0.84	0.93	1.12
Gross Calorific Value			kcal/kg	5862	6437	7265
				7523		

Major and Minor Elements, in Ash (Dry Basis) **

The Results of an ash constituent analysis do not necessarily total 100.0 %

SiO2	%	6.19
Al2O3	%	10.01
Fe2O3	%	30.41
CaO	%	19.35
MgO	%	5.23
Na2O	%	0.87
K2O	%	0.30
TiO2	%	0.21
MnO2	%	0.160
P2O5	%	0.39
SO3	%	26.06
Total	%	99.2



SUBMITTED SAMPLE ANALYTICAL REPORT

SGS Reference: SS22-495
Client Reference: NIMEC / PT. GIP 2
Client Reference 2.: Sample ID Iprovided by client

Date Issued: 30 August 2022
Date(s) Tested: 06 Sept 2022

Signed and dated

Samarinda
06 Sept 2022



For and on behalf of

Muhammad.Syachrul (Supervisor Lab PT. SGS Indonesia)

Muhammad.Syachrul (Supervisor Lab PT. SGS Indonesia)

Minerals

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SGS Reference: SS22-495

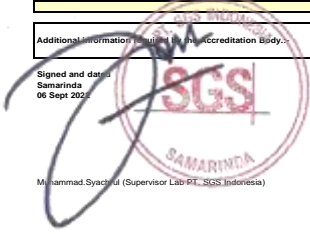
Client Reference: NIMEX / PT. GIP 2
 Client Reference 2: Sample ID provided by client
 Sample Type: Coal
 Sample Received From: Client
 Sample Description: Plastic bag, good condition without seal
 Date Sample received: 25 August 2022
 Seal Numbers:
 DATE CONFIRMATION 30 August 2022

Date Issued: 30 August 2022
 Date(s) Tested: 08 Sept 2022
 Principal: PT. Glory Irfan Perkasa/NIMEX
 Address: Jl. Jend Sudirman, Gedung Sudirman
 Grand Sudirman No. 09
 City, State, Postal: Balikpapan
 Country: Indonesia
 Attention: Mr. Bawa Hasanuddin / Ronny

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.

Method	Standard	Executing Laboratory	Name of Accreditation Body, Type, & Registration No.	ACCREDITATION TEST STATUS * SGS Accredited Test; # SGS Non Accredited Test; ** Third Party Lab - Accredited; ## Third Party Lab - Non Accredited	Accreditation Test Status	Uncertainty of Measurement
Moisture (Total Moisture)	ASTM D3302/D3302M - 2017	SGS Samarinda				
Moisture (Analysis Moisture)	ASTM D3174/D3174M - 2017	SGS Samarinda				
Ash	ASTM D3174 - 2017	SGS Samarinda				
ASTM Volatile Matter	ASTM D3174 - 2017	SGS Samarinda				
Fixed Carbon (calculation by difference)	ASTM D3174 - 2017	SGS Samarinda				
Total Sulfur	ASTM D4289 - METHOD A	SGS Samarinda				
Heats of Combustion Value	ASTM D3862 - 2013	SGS Samarinda				
Major and Minor Elements, in Ash (Dry Basis) **	ASTM D3862-2013	STLCOFINDO Samarinda	KAN, ISU 17025 (LP) - 258 - 1DN	**	Third Party Lab - Accredited	
Physical Attributes of Sample						

Additional information regarding the accreditation body:
 NOTE: ALL Tests subcontracted to a Third Party Laboratory (internal or external), or marked as * #, ## Not Accredited *, are not included in the SGS ISO 17025 Laboratory Accreditation.



Signed and dated
 Samarinda
 06 Sept 2022

For and on behalf of
 Muhammad Syachrul (Supervisor Lab PT. SGS Indonesia)

Muhammad Syachrul (Supervisor Lab PT. SGS Indonesia)

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