

**SGS IMME Mongolia LLC**

MRN: 5616077

**Energy Resource LLC**

TTD: 2887746  
Central Tower, 15th Floor, Suite 7, Sukhbaatar Square 2  
Sukhbaatar District,-8  
Mongolia

Lab Ref: UC004518

Client Ref: **230917-2**

Project: Coal

Sample type

Status: Final

Received: 9/17/23

Started: 9/18/23

Reported: 9/18/23

Samples: 1

First Sample: MASHCC\_230912

Last Sample: MASHCC\_230912

Pages: 6

Result apply to sample as submitted.

Notes

Authorised by



On behalf of:

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Operation Manager

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**\*UC004518\***

**SGS IMME Mongolia LLC**

Uildveriin toirog 101 toot  
20th Khoroo  
Bayangol Duureg  
Ulaanbaatar 36, Mongolia

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*Project* COAL  
*Reported* 18/09/23  
*Status* Final  
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**ANALYTICAL REPORT**

<b>Scheme</b>	ASTM3302	ASTM3302	ISO11722:2013	ISO 1171:2010	ISO 1171:2010	ISO 1171:2010
<b>Units</b>	%	%	%	%	%	%
<b>Detection Limit</b>	0.1	0.1	0.1	0.5	0.5	0.5
<b>Upper Limit</b>	50	50	50	99	99	99
	Moisture, Total	Air Dry Loss	RM_ADB	Ash, ARB	Ash, ADB	Ash, DB
MASHCC_230912	7.25	6.42	0.89	22.62	24.17	24.39

- not analysed / -- element not determined / I.S. insufficient sample / L.N.R. listed not received

Results are not intended for commercial settlement purposes.



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### ANALYTICAL REPORT

<b>Scheme</b>	ISO562:2010	ISO562:2010	ISO562:2010	ISO562:2010	ISO 1213-2:2016	ISO 1213-2:2016
<b>Units</b>	AR %	AD %	DB %	DAF %	%	%
<b>Detection Limit</b>	0.1	0.1	0.1	0.1	0.01	0.01
<b>Upper Limit</b>	75	75	75	75	100	100
	VM_ARB	VM_ADB	VM_DB	VM_DAF	FC_ARB	FC_ADB
MASHCC_230912	15.85	16.93	17.09	22.60	54.29	58.01

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**ANALYTICAL REPORT**

Scheme	ISO 1213-2:2016	ISO 1213-2:2016	ISO19579:2006	ISO19579:2006	ISO19579:2006	ISO19579:2006
Units	%	%	AR %	AD %	DB %	DAF %
Detection Limit	0.01	0.01	0.01	0.01	0.01	0.01
Upper Limit	100	100	5.21	5.21	5.21	20
	FC_DB	FC_DAF	Sul_ARB	Sul_ADB	Sul_DB	Sul_DAF
MASHCC_230912	58.53	77.40	0.93	0.99	1.00	1.32

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### ANALYTICAL REPORT

Scheme	MNS ISO1928:2020	MNS ISO1928:2020	MNS ISO1928:2020	MNS ISO1928:2020	ISO 501:2012	ISO 15585:2019
Units	KCAL/KG	KCAL/KG	KCAL/KG	KCAL/KG	/	/
Detection Limit	0	0	0	0	0	0
Upper Limit	10,000	10,000	10,000	10,000	9	110
	GCV_ARB	GCV_ADB	GCV_DB	GCV_DAF	CSN	G
MASHCC_230912	5935	6343	6399	8463	3	38

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## Description

ASTM2013 : Standard Practice for Preparing Coal Samples for Analysis

ISO11722 : Determination of moisture in the general analysis test sample by drying nitrogen

ASTM3302 : Moisture, Air-Dry Loss

ISO 1171 : Solid mineral fuels-Determination of ash

ISO501 : Hard coal-Determination of the crucible swelling number

ISO 1213-2 : Fixed Carbon (by calculation)

ISO 15585 : Hard coal-Determination of Caking index

ISO19579 : Solid mineral fuels-Determination of sulfur by IR spectrometry

ASTM3302 : Standard Test Method for Total Moisture in Coal

ISO562 : Hard coal and coke-Determination of volatile matter

ISO1928 : Coal and coke — Determination of gross calorific value

\*\*\*\*\* THE END \*\*\*\*\*