

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: UC004604
Client Ref: **231028-1**
Project: Coal
Sample type
Status: Final
Received: 10/28/23
Started: 10/29/23
Reported: 10/30/23
Samples: 1
First Sample: MASHCC_231026-1
Last Sample: MASHCC_231026-1
Pages: 6

Result apply to sample as submitted.

Notes

Authorised by



On behalf of:

Ankhbayar Luvsansharav
Operations Director

Email: luv.ankhbayar@sgs.com
Website: www.sgs.com
www.coal.sgs.com

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Joint venture between SGS and IMME Mongolia

UC004604

SGS IMME Mongolia LLC

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

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Page Page 2 of 6

ANALYTICAL REPORT

Scheme	ASTM3302	ASTM3302	ISO11722:2013	ISO 1171:2010	ISO 1171:2010	ISO 1171:2010
Units	%	%	%	%	%	%
Detection Limit	0.1	0.1	0.1	0.5	0.5	0.5
Upper Limit	50	50	50	99	99	99
	Moisture, Total	Air Dry Loss	RM_ADB	Ash, ARB	Ash, ADB	Ash, DB
MASHCC_231026-1	10.11	9.39	0.80	18.57	20.49	20.65

- 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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Page Page 3 of 6

ANALYTICAL REPORT

Scheme	ISO562:2010	ISO562:2010	ISO562:2010	ISO562:2010	ISO 1213-2:2016	ISO 1213-2:2016
Units	AR %	AD %	DB %	DAF %	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.01	0.01
Upper Limit	75	75	75	75	100	100
	VM_ARB	VM_ADB	VM_DB	VM_DAF	FC_ARB	FC_ADB
MASHCC_231026-1	16.55	18.26	18.41	23.20	54.78	60.45

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Page Page 4 of 6

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_231026-1	60.94	76.80	0.71	0.79	0.79	1.00

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Page Page 5 of 6

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_231026-1	6060	6687	6741	8496	2.5	40

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Page Page 6 of 6

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 *****