

SGS IMME Mongolia LLC

MRN: 5616077

MunkhTenuun Orgil LLC

TTD: 8376476

Lab Ref: UC005064

Client Ref: **378800**

Project: Coal

Sample type

Status: Final

Received: 8/7/24

Started: 8/8/24

Reported: 8/14/24

Samples: 1

First Sample: MTO

Last Sample: MTO

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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UC005064

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

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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
	Air Dry Loss	Moisture, Total	RM_ADB	Ash, ARB	Ash, ADB	Ash, DB
MTO	10.34	11.70	1.51	19.80	22.08	22.42

- 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

Scheme	ISO5071:2021	ISO5071:2021	ISO5071:2021	ISO5071:2021	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
MTO	17.74	19.79	20.09	25.90	50.76	56.62

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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
MTO	57.49	74.10	0.50	0.56	0.56	0.73

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ANALYTICAL REPORT

Scheme	MNS ISO1928:2020	MNS ISO1928:2020	MNS ISO1928:2020	MNS ISO1928:2020	ISO 15585:2019
Units	KCAL/KG	KCAL/KG	KCAL/KG	KCAL/KG	/
Detection Limit	0	0	0	0	1
Upper Limit	10,000	10,000	10,000	10,000	110
	GCV_ARB	GCV_ADB	GCV_DB	GCV_DAF	G
MTO	5844	6519	6619	8532	52

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Description

- ADM01 : Administration Fee
- 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
- 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
- ISO5071-1 : Brown coals and lignites-Determination of volatile matter in the analysis sample-Part-1
- ISO1928 : Coal and coke — Determination of gross calorific value

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