

**SGS IMME Mongolia LLC**

MRN: 5616077

**Khangad Exploration LLC**

TTD: 2887134  
Orient Plaza, 5th Floor  
Peace Avenue-12, Ulaanbaatar  
Mongolia

Lab Ref: UC004605

Client Ref: **231028**

Project: Coal projects

Sample type

Status: Final

Received: 10/30/23

Started: 10/30/23

Reported: 10/31/23

Samples: 1

First Sample: SSCC\_231026\_1

Last Sample: SSCC\_231026\_1

Pages: 6

Result apply to sample as submitted.

Notes

Authorised by



On behalf of:

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Operations Director

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**\*UC004605\***

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

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*Project* COAL  
*Reported* 31/10/23  
*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
SSCC_231026_1	5.84	3.87	2.04	8.78	9.13	9.32

- 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
SSCC_231026_1	30.08	31.29	31.95	35.23	55.30	57.53

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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
SSCC_231026_1	58.73	64.77	0.67	0.70	0.71	0.78

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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
SSCC_231026_1	7209	7500	7656	8443	6.5	85

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

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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 \*\*\*\*\*