

**SGS IMME Mongolia LLC**

MRN: 5616077

**Khangad Exploration LLC**

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

Lab Ref: UC004705

Client Ref: **231211**

Project: Coal projects

Sample type

Status: Final

Received: 12/11/23

Started: 12/12/23

Reported: 12/13/23

Samples: 1

First Sample: SSCC\_231210

Last Sample: SSCC\_231210

Pages: 6

Result apply to sample as submitted.

Notes

Authorised by



On behalf of:

Ankhbayar Luvsansharav  
Operations Director

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**\*UC004705\***

**SGS IMME Mongolia LLC**

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
	Moisture, Total	Air Dry Loss	RM_ADB	Ash, ARB	Ash, ADB	Ash, DB
SSCC_231210	8.19	6.71	1.59	8.31	8.91	9.05

- 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_231210	28.52	30.56	31.06	34.15	54.99	58.94

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**ANALYTICAL REPORT**

<b>Scheme</b>	ISO 1213-2:2016	ISO 1213-2:2016	ISO19579:2006	ISO19579:2006	ISO19579:2006	ISO19579:2006
<b>Units</b>	%	%	AR %	AD %	DB %	DAF %
<b>Detection Limit</b>	0.01	0.01	0.01	0.01	0.01	0.01
<b>Upper Limit</b>	100	100	5.21	5.21	5.21	20
	FC_DB	FC_DAF	Sul_ARB	Sul_ADB	Sul_DB	Sul_DAF
SSCC_231210	59.89	65.85	0.63	0.67	0.68	0.75

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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_231210	7074	7582	7704	8471	7	75

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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 \*\*\*\*\*