

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: UC004706

Client Ref **231211**

Project Coal

Sample type

Status Final

Received 12/11/23

Started 12/12/23

Reported 12/13/23

Samples 1

First Sample HCC_231210

Last Sample HCC_231210

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

SGS-IMME **Mongolia LLC** is accredited by **MASM** and conforms to the requirements of ISO/IEC 17025 the laboratory operations are accredited to ISO9001:2008. The sample was not drawn by the laboratory and this report is not used for L/C negotiation. The test report would be invalid without signatures of the persons for approval. The test report would be invalid if altered and test would be invalid if reproduced, except in full, without written approval of the Company. Different opinions about test report should be reported to us within 15 days from the date of receiving the test report. This document is issued by the Company under its General Conditions of Services accessible at <http://www.sgs.com/en/terms-and-conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issued defines therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a translation from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



UC004706

SGS IMME Mongolia LLC

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

Lab Ref UC004706
Client Ref **231211**
Project COAL
Reported 13/12/23
Status Final
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
HCC_231210	10.38	9.68	0.77	9.34	10.34	10.42

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

Results are not intended for commercial settlement purposes.



UC004706

SGS IMME Mongolia LLC

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

Lab Ref UC004706
Client Ref **231211**
Project COAL
Reported 13/12/23
Status Final
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
HCC_231210	18.16	20.11	20.27	22.63	62.12	68.78

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

Results are not intended for commercial settlement purposes.



UC004706

SGS IMME Mongolia LLC

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

Lab Ref UC004706
Client Ref **231211**
Project COAL
Reported 13/12/23
Status Final
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
HCC_231210	69.31	77.37	0.56	0.62	0.62	0.70

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

Results are not intended for commercial settlement purposes.



UC004706

SGS IMME Mongolia LLC

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

Lab Ref UC004706
Client Ref **231211**
Project COAL
Reported 13/12/23
Status Final
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
HCC_231210	6888	7627	7686	8580	7.5	85

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

Results are not intended for commercial settlement purposes.



UC004706

SGS IMME Mongolia LLC

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

Lab Ref UC004706
Client Ref **231211**
Project COAL
Reported 13/12/23
Status Final
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 *****