

SGS IMME Mongolia LLC

MRN: 5616077

Energy Resource LLC

TTD: 2887746
Central Tower, 15th Floor, Suite 7, Sukhbaatar Square 2
Sukhbaatar District,-8
Mongolia

LabRef: UC005014

ClientRef **ER-24014**

Project Coal

Sampletype

Status Final

Received 6/29/24

Started 7/1/24

Reported 7/2/24

Samples 1

FirstSample Washed_UHG_MASHCC_240627_1

LastSample

Pages 7

Result apply to sample as submitted.

Notes

Authorised by



On behalf of:

Ankhbayar Luvsansharav
Operations Director

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UC005014

SGS IMME Mongolia LLC

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

LabRef UC005014
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 Project COAL
 Reported 02/07/24
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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
Washed_UHG_MASHCC_ 240627_	7.66	7.17	0.53	21.01	22.63	22.75



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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
Washed_UHG_MASHCC_ 240627_	16.18	17.43	17.53	22.69	55.15	59.41

- notanalysed | -- elementnotdetermined | I.S. insufficientsample | L.N.R. listednotreceived

Results are not intended for commercial settlement purposes.



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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	SuI_ARB	SuI_ADB	SuI_DB	SuI_DAF
Washed_UHG_MASHCC_ 240627_	59.72	77.31	0.62	0.67	0.67	0.87

- notanalysed | -- elementnotdetermined | I.S. insufficientsample | L.N.R. listednotreceived

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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	1
Upper Limit	10,000	10,000	10,000	10,000	9	110
	GCV_ARB	GCV_ADB	GCV_DB	GCV_DAF	CSN	G
Washed_UHG_MASHCC_ 240627_	6045	6512	6547	8475	3.5	38

- notanalysed | -- elementnotdetermined | I.S. insufficientsample | L.N.R. listednotreceived

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ANALYTICAL REPORT

Scheme	AS 1038.21.1.2-2002
Units	G/CM3
Detection Limit	1
Upper Limit	3 RD
Washed_UHG_MASHCC_ 240627_	1.49



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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

AS 1038.21 : Relative Density - Analysis sample/volumetric method

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 *****



WHEN YOU NEED TO BE SURE

СОРИЛТЫН ҮР ДҮНГИЙН ХУУДАС



Лаб. дугаар: UC005014-2
Захиалгын дугаар: ER-24014
Захиалагч: "Энержи Ресурс" ХХК
Дээжийн төрөл: Нүүрс
Дээжийн жин: 1.24кг

Хүлээн авсан огноо: 06.29.2024
Эхэлсэн огноо: 06.30.2024
Тайлангийн огноо: 07.01.2024
Дээжийн тоо: 1
Хуудасны тоо: 1/1

Д/д	Дээжийн нэр	Сорилтын үзүүлэлт	Нийт чийг	Үлдэгдэл чийг	Үнслэг	Дэгдэмхий бодис	Нийт хүхэр	Нийт илчлэг чанар		Чөлөөт хөөлтийн зэрэг	Барьцалдах чанар
		Тэмдэглэгээ	TM ^{arb}	RM ^{adb}	A ^{db}	VM ^{daf}	TS ^{db}	GCV ^{arb}	GCV ^{db}	FSI	G
		Стандарт арга аргачлал	ASTM D3302	ISO 11722	ISO 1171	ISO 562	ISO 19579	ISO 1928		ISO 501	ISO 15585
		Нэгж	Жин, (%)				Ккал/кг		Индекс		
1	Washed_UHG_MASHCC_240627_1		7.66	0.53	22.75	22.69	0.67	6045	6547	3.5	38

Тайлбар:

Сорилтын үр дүнг ASTM D3180 / ISO 1170 стандартын дагуу тооцоолсон.

Дээжлэлтийн талаарх асуудлыг манай лаборатори хариуцахгүй.

Энэхүү сорилтын үр дүн нь лабораторид хүлээн авсан тухайн дээжид хамаарах бөгөөд зөвхөн эх хувь нь хүчинтэй.

ASTM D2013/2013M-18 стандартын дагуу нүүрсний дээж бэлтгэл хийгдсэн.

TM ^{arb} -	Нийт чийг	VM ^{daf} -	Дэгдэмхий бодисын гарц, хуурай үнсгүй төлөв		GCV ^{db} -	Нийт илчлэг, хуурай төлөв	
RM ^{adb} -	Үлдэгдэл чийг	TS ^{db} -	Нийт хүхэр, хуурай төлөв		FSI-	Чөлөөт хөөлтийн зэрэг	
A ^{db} -	Үнслэг, хуурай төлөв	GCV ^{arb} -	Нийт илчлэг, чийгтэй төлөв		G-	Барьцалдах чанар	

ХЯНАСАН:

Ж. ГАНБАТ, НҮҮРСНИЙ ЛАБОРАТОРИЙН АЖИЛТАН

БАТАЛСАН:

Л. АНХБАЯР, ҮЙЛ АЖИЛЛАГАА ХАРИУЦСАН ЗАХИРАЛ

ЭНЭХҮҮ СОРИЛТЫН ҮР ДҮНГИЙН ХУУДАС НЬ ЗӨВХӨН "ЭНЕРЖИ РЕСУРС" ХХК-ИЙН ЗАХИАЛГАТ АЖИЛД ХАМААРНА

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