



SGS Mongolia Minerals

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Lab Ref: UC000264

Client Ref: **20131202**

Project: ULAAN OVOO

Sample type:

Status: Final

Received: 11/12/13

Reported: 18/12/13

Samples: 4

First Sample: ROM1-1(22)-5/12/2013(+30)01

Last Sample: ROM1-1(22)-5/12/2013(-20)01

Pages: 6

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Notes

Authorised by

On behalf of:

Simon Ngoon
 Operation Manager

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ANALYTICAL REPORT

Scheme	ASTM2013-07	ASTM3302	ASTM3302	ISO11722	ISO 1171	ISO 1171
Units	KG	%	%	%	%	%
Detection Limit	0.01	0.01	0.01	0.01	0.01	0.01
Upper Limit	50	100	50	50	100	100
	AR WT	Moisture, Total	Air Dry Loss	RM_ADB	Ash, ARB	Ash, ADB
ROM1-1(22)-5/12/2013(+30)01	0.98	22.27	13.47	10.17	3.93	4.54
ROM1-1(22)-5/12/2013(+30)02	0.79	23.40	17.43	7.22	2.98	3.61
ROM1-1(22)-5/12/2013(20-30)01	1.09	22.64	11.71	12.38	4.44	5.02
ROM1-1(22)-5/12/2013(-20)01	0.59	26.01	17.64	10.17	4.34	5.27

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ANALYTICAL REPORT

Scheme	ISO 1171	ISO562	ISO562	ISO562	ISO562	ISO 1213-2
Units	%	AR %	AD %	DB %	DAF %	%
Detection Limit	0.01	0.01	0.01	0.01	0.01	0.01
Upper Limit	100	100	100	100	100	100
	Ash, DB	VM_ARB	VM_ADB	VM_DB	VM_DAF	FC_ARB
ROM1-1(22)-5/12/2013(+30)01	5.06	32.85	38.00	42.30	44.55	40.93
ROM1-1(22)-5/12/2013(+30)02	3.89	32.20	39.00	42.05	43.75	41.42
ROM1-1(22)-5/12/2013(20-30)01	5.73	32.75	37.10	42.35	44.90	40.16
ROM1-1(22)-5/12/2013(-20)01	5.87	30.35	36.85	41.05	43.60	39.29

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ANALYTICAL REPORT

Scheme	ISO 1213-2	ISO 1213-2	ISO 1213-2	ISO1928	ISO1928	ISO1928
Units	%	%	%	KCAL/KG	KCAL/KG	KCAL/KG
Detection Limit	0.01	0.01	0.01	0	0	0
Upper Limit	100	100	100	10,000	10,000	10,000
	FC_ADB	FC_DB	FC_DAF	GCV_ARB	GCV_ADB	GCV_DB
ROM1-1(22)-5/12/2013(+30)01	47.31	52.66	55.46	5584	6454	7184
ROM1-1(22)-5/12/2013(+30)02	50.16	54.06	56.25	5574	6750	7276
ROM1-1(22)-5/12/2013(20-30)01	45.49	51.92	55.08	5571	6310	7201
ROM1-1(22)-5/12/2013(-20)01	47.71	53.10	56.41	5248	6372	7094

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ANALYTICAL REPORT

Scheme	ISO1928	ISO19579	ISO19579	ISO19579	ISO19579
Units	KCAL/KG	AR %	AD %	DB %	DAF %
Detection Limit	0	0.01	0.01	0.01	0.01
Upper Limit	10,000	20	20	20	20
	GCV_DAF	Sul_ARB	Sul_ADB	Sul_DB	Sul_DAF
ROM1-1(22)-5/12/2013(+30)01	7567	0.25	0.30	0.30	0.34
ROM1-1(22)-5/12/2013(+30)02	7571	0.25	0.30	0.30	0.34
ROM1-1(22)-5/12/2013(20-30)01	7639	0.29	0.35	0.40	0.40
ROM1-1(22)-5/12/2013(-20)01	7536	0.46	0.55	0.60	0.66

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Description

ASTM2013 : Standard Practice for Preparing Coal Samples for Analysis
ISO11722 : Determination of Moisture in the Analysis Sample
ASTM3302 : Moisture, Air-Dry Loss
ISO 1171 : Determination of Ash Content
ISO 1213-2 : Fixed Carbon (by calculation)
ISO19579 : Determination of Sulphur by IR Spectrometry
ASTM3302 : Standard Test Method for Total Moisture in Coal
ISO562 : Determination of Volatile Matter
ISO1928 : Determination of Gross Calorific Value via Bomb Calorimeter

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