



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)

3.42%

(-0.8; +1.0)

ҮНСЛЭГ (db)

21.5%

(-5.6; +5.9)

ДЭГДЭМХИЙ (daf)

33.4%

(-2.1; +2.9)

НИЙТ ХҮХЭР (db)

1.13%

(-0.5; +0.8)

БАРЬЦАЛДАХ ЧАНАР

61.0

(-10.0; +3.0)

НҮҮРСНИЙ ХЭМЖЭЭ

128.0

МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

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CERTIFICATE OF ANALYSIS
23J06-23J07-TT, 23J19-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
1st Khoroо, Chingelhei District
Ulaanbaatar, Mongolia
ATTN: Bilgунmanlai.S
PROJECT NO. xxx
LAB. JOB NO. 23J06-23J07-TT, 23J19-TT
NO. SAMPLES: 32
Notes/Comments: xxx

SAMPLES RECEIVED: 01/Oct/23
INSTRUCTIONS RECEIVED: 01/Oct/23
DATE OF REPORT: 03/Oct/23
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 03/Oct/23
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1_COKING COAL
TM, ASH, MOIS, VOL,
TSUL, CKIN

APPROVED BY: Laboratory Manager

Quality Manager
CHECKED BY: Chul Chement

These test results are representative only of the sample received in the laboratory.

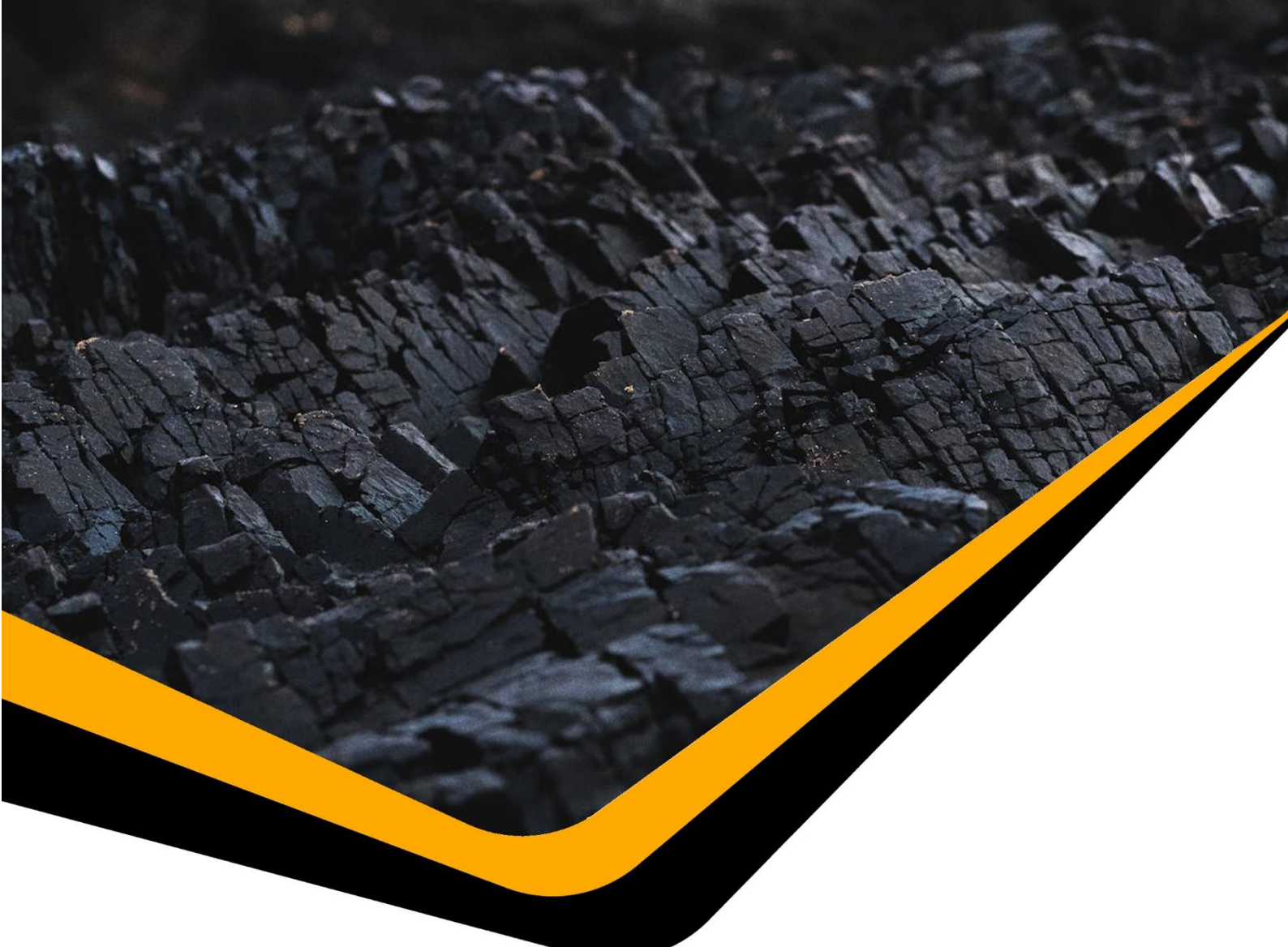
LAB NO.	SAMPLE NO.	AS RECEIVED BASIS					AIR DRIED BASIS					DRY BASIS					Coal Caking Index (CKIN)			
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)					
1	ETT_SP_20007-RS-1-1	3.18	19.57	26.54	50.71	1.12	0.85	20.04	27.18	51.93	1.15	20.21	27.41	52.38	1.16	34.35	65.95	1.45	72	-
2	ETT_SP_20007-RS-1-2	3.17	15.42	28.21	53.20	0.87	0.83	15.79	28.89	54.49	0.89	15.92	29.14	54.94	0.90	34.65	65.35	1.07	84	-
3	ETT_SP_20007-RS-1-3	3.91	19.54	25.76	50.78	0.97	0.86	20.16	26.58	52.39	1.00	20.34	26.81	52.85	1.01	33.66	66.34	1.27	62	-
4	ETT_SP_20007-RS-1-4	3.86	24.67	23.35	48.13	1.56	0.99	25.40	24.04	49.56	1.61	25.66	24.29	50.06	1.62	32.67	67.33	2.18	53	-
5	ETT_SP_20007-RS-2-1	3.10	20.38	27.77	48.75	1.06	0.77	20.87	28.44	49.92	1.09	21.03	28.66	50.31	1.10	36.30	63.70	1.39	63	-
6	ETT_SP_20007-RS-2-2	3.46	18.90	27.62	50.02	0.64	0.77	19.43	28.39	51.41	0.65	19.58	28.61	51.81	0.66	35.57	64.43	0.82	61	-
7	ETT_SP_20007-RS-2-3	3.40	18.95	25.99	51.66	1.02	0.84	19.45	26.48	53.03	1.04	19.62	26.90	53.48	1.05	33.47	66.53	1.31	61	-
8	ETT_SP_20007-RS-2-4	3.56	25.03	23.49	47.92	1.02	0.90	25.72	24.14	49.25	1.05	25.95	24.35	49.69	1.06	32.89	67.11	1.42	50	-
9	ETT_SP_20007-RS-3-1	3.65	19.34	27.31	49.71	0.92	0.71	19.93	28.14	51.22	0.95	20.07	28.34	51.59	0.95	35.46	64.54	1.19	70	-
10	ETT_SP_20007-RS-3-2	3.22	23.28	25.49	48.01	0.82	0.73	23.88	26.15	49.25	0.84	24.05	26.34	49.61	0.84	34.68	65.32	1.11	58	-
11	ETT_SP_20007-RS-3-3	3.72	16.48	26.83	52.97	0.81	0.84	16.97	27.63	54.55	0.84	17.12	27.87	55.02	0.84	33.62	66.38	1.02	77	-
12	ETT_SP_20007-RS-3-4	4.00	25.74	22.87	47.38	1.01	0.98	26.55	23.59	48.88	1.04	26.82	23.83	49.36	1.06	32.56	67.44	1.44	37	-
13	ETT_SP_20007-RS-4-1	3.82	18.74	25.40	52.05	1.05	0.88	19.31	26.18	53.64	1.08	19.48	26.41	54.11	1.09	32.80	67.20	1.35	68	-
14	ETT_SP_20007-RS-4-2	3.65	22.69	23.79	49.87	1.11	0.83	23.35	24.49	51.33	1.14	23.55	24.69	51.76	1.15	32.30	67.70	1.51	58	-
15	ETT_SP_20007-RS-4-3	3.93	19.54	25.06	51.47	1.22	0.87	20.17	25.86	53.11	1.26	20.34	26.09	53.57	1.27	32.75	67.25	1.60	70	-
16	ETT_SP_20007-RS-4-4	3.30	18.17	25.30	53.23	0.84	0.97	18.61	25.91	54.51	0.86	18.79	26.16	55.04	0.87	32.22	67.78	1.08	75	-
17	ETT_SP_20007-RS-4-5	4.25	22.40	23.14	50.21	0.69	0.94	23.17	23.95	51.95	0.71	23.39	24.17	52.44	0.72	31.55	68.45	0.94	39	-
18	ETT_SP_20007-RS-5-1	3.85	18.73	25.29	52.13	1.21	1.10	19.27	26.02	53.62	1.25	19.48	26.31	54.21	1.26	32.67	67.33	1.56	69	-
19	ETT_SP_20007-RS-5-2	3.66	21.45	24.90	49.99	1.63	1.00	22.04	25.59	51.37	1.67	22.27	25.85	51.89	1.69	33.25	66.75	2.18	71	-
20	ETT_SP_20007-RS-5-3	3.58	21.83	24.58	50.01	1.31	0.96	22.42	25.25	51.37	1.34	22.64	25.49	51.87	1.36	32.95	67.05	1.75	58	-
21	ETT_SP_20007-RS-5-4	3.99	20.11	24.57	51.33	0.91	1.12	20.71	25.31	52.87	0.94	20.95	25.59	53.46	0.95	32.37	67.63	1.20	55	-
22	ETT_SP_20007-RS-5-5	4.41	19.32	25.31	50.96	0.73	1.16	19.98	26.17	52.69	0.75	20.21	26.48	53.31	0.76	33.18	66.82	0.95	43	-
23	ETT_SP_20007-RS-6-1	2.64	21.34	24.05	51.97	1.10	0.99	21.70	24.45	52.85	1.12	21.92	24.70	53.38	1.13	31.63	68.37	1.44	53	-
24	ETT_SP_20007-RS-6-2	3.14	16.01	25.70	55.15	1.13	1.13	16.34	26.23	56.29	1.16	16.53	26.53	56.94	1.17	31.79	68.21	1.40	67	-
25	ETT_SP_20007-RS-6-3	2.82	18.88	24.54	53.75	0.98	1.10	19.22	24.98	54.71	1.00	19.43	25.25	55.31	1.01	31.74	68.66	1.25	63	-
26	ETT_SP_20007-RS-6-4	2.96	22.34	24.14	50.56	1.04	1.16	22.75	24.58	51.50	1.06	23.02	24.87	52.11	1.08	32.31	67.69	1.40	56	-
27	ETT_SP_20007-RS-6-5	3.16	20.34	24.89	51.61	1.22	1.19	20.76	25.40	52.66	1.24	21.01	25.70	53.29	1.26	32.54	67.46	1.59	55	-

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
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STANDARD METHOD	GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	ISO 19579	GB/T 5447	
																						AS RECEIVED BASIS
LAB NO.	SAMPLE NO.	Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)			S:1	S:3
28	ETT_SP_20007_RS-7-1	2.61	19.78	25.91	51.70	1.59	0.97	20.11	26.35	52.57	1.61	20.31	26.60	53.09	1.63	33.38	66.62	2.04			68	-
29	ETT_SP_20007_RS-7-2	2.69	26.62	23.12	47.57	1.92	1.03	27.08	23.51	48.38	1.95	27.36	23.76	48.89	1.97	32.70	67.30	2.72			30	-
30	ETT_SP_20007_RS-7-3	2.65	24.53	24.52	48.30	1.70	0.98	24.95	24.94	49.12	1.73	25.20	25.19	49.61	1.75	33.67	66.33	2.34			50	-
31	ETT_SP_20007_RS-7-4	2.74	23.41	24.59	49.25	1.20	1.09	23.81	25.01	50.09	1.22	24.07	25.29	50.64	1.23	33.30	65.70	1.62			63	-
32	ETT_SP_20007_RS-7-5	2.70	24.58	24.45	48.28	0.93	1.14	24.97	24.84	49.05	0.95	25.26	25.12	49.62	0.96	33.62	66.38	1.28			51	-

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-30/21	ASH	VOL	TSUL
Certified Value	10.70	20.35	0.606
Standard Deviation	0.059	0.204	0.0136
Unit	%	%	%
Analyzed value	10.68	20.34	0.606



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



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Финанс төв, 1-р хороо,
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