



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)

3.0

(-1.0; +1.0)

ҮНСЛЭГ (db)

14.5%

(-3.0; +3.0)

ДЭГДЭМХИЙ (daf)

27.0%

(-2.0; +2.0)

НИЙТ ХҮХЭР (db)

1.1

(-0.5; +0.5)

БАРЬЦАЛДАХ
ЧАНАР (5:1)

70.0

(-5.0; +10.0)

НҮҮРСНИЙ
ХЭМЖЭЭ

32.0

МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
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CERTIFICATE OF ANALYSIS
23F67, 75, 107, 100, 105, 106, 111, 116, 131-TT

CLIENT: Erdenes Tavan Tseljal JSC
ADDRESS: Finance Center, Jigjidaa-8
Tasikhono, Chinggis Khural District
Ulaanbaatar, Mongolia
ATTN: Bilguyamjav S
PROJECT NO.: xxx
LAB. JOB NO.: 23F67, 75, 107, 100, 105, 106, 111, 116, 131-TT
NO. SAMPLES: 21
Notes/Comments: xxx

SAMPLES RECEIVED: 14-26/04/2023
INSTRUCTIONS RECEIVED: 14-26/06/2023
DATE OF REPORT: 15-27/06/2023
STATUS OF REPORT: FINAL
ANALYSIS COMPLETED: 15-27/06/2023
PREPARATION CODE: CRUSH-01, 02, MILL-01
ANALYSIS CODE: 1 COKING COAL CBN
TM, ASH, MOIS, VOL, TSUL, CSM, CIGN

APPROVED BY: Laboratory Manager
CHECKED BY: Chemist

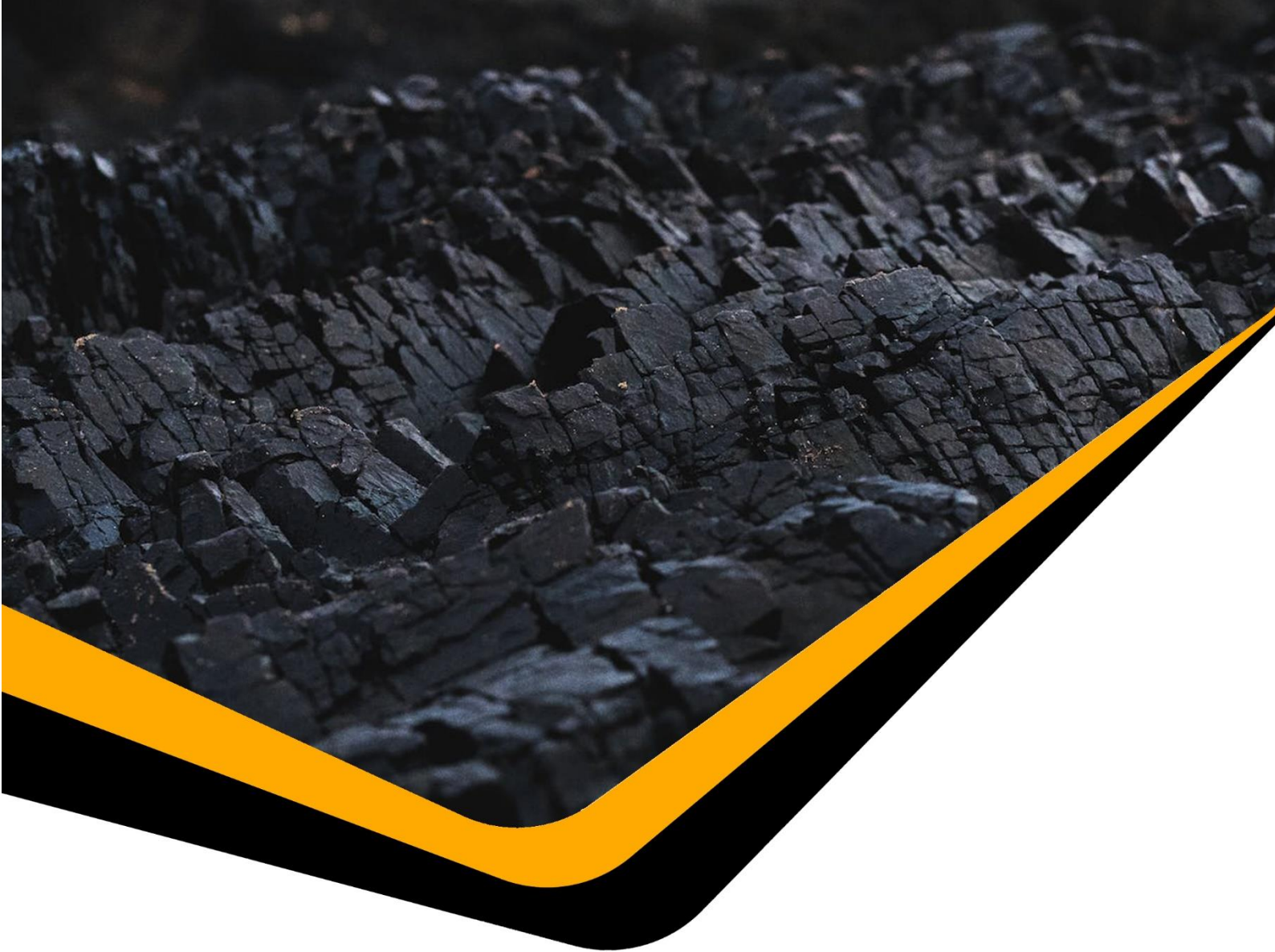
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS										Crescible Swelling Number (CSN)	Coal Caking Index (CCI)
		Total Moisture (TM)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)			
1	ETT_SP_10050-1A	1.82	10.94	21.97	66.07	0.52	0.55	10.99	22.07	66.38	0.53	11.05	22.20	66.79	0.53	24.56	75.04	0.59	7.0	77	--	5:1	3:3
2	ETT_SP_10050-1B	1.44	12.67	21.25	64.64	0.64	0.45	12.79	21.46	65.29	0.65	12.65	21.54	65.99	0.65	24.14	75.26	0.74	7.0	77	--	5:1	3:3
3	ETT_SP_10050-1C	0.87	13.43	21.57	64.14	0.72	0.39	13.49	21.67	64.45	0.72	13.54	21.74	64.70	0.72	25.16	74.94	0.94	7.8	--	--	5:1	3:3
4	ETT_SP_10050-2A	2.50	15.29	21.86	60.34	1.09	0.65	15.58	22.29	61.48	1.11	15.66	22.44	61.88	1.12	26.61	73.99	1.33	6.5	77	--	5:1	3:3
5	ETT_SP_10050-2B	2.70	14.15	21.72	61.43	1.38	0.67	14.45	22.16	62.71	1.41	14.54	22.33	63.13	1.42	26.12	73.88	1.67	6.5	74	--	5:1	3:3
6	ETT_SP_10050-3C	1.93	16.97	21.84	59.28	1.04	0.29	17.28	22.16	60.19	1.06	17.31	22.27	60.42	1.06	24.93	73.07	1.20	7.7	--	--	5:1	3:3
7	ETT_SP_10050-3A	1.35	13.31	22.35	62.98	0.85	0.28	13.46	22.40	63.64	0.86	13.49	22.65	63.85	0.86	26.29	72.80	1.00	6.5	80	--	5:1	3:3
8	ETT_SP_10050-3B	1.61	12.07	22.96	63.35	0.87	0.26	12.23	23.20	64.22	0.88	12.34	23.35	64.38	0.89	26.62	72.30	1.01	6.5	80	--	5:1	3:3
9	ETT_SP_10050-3C	1.99	12.93	21.76	63.31	1.20	0.40	13.14	22.12	64.34	1.22	13.20	22.21	64.60	1.22	25.58	74.42	1.41	6.5	78	--	5:1	3:3
10	ETT_SP_10050-4A	1.45	14.38	21.92	62.75	1.09	0.53	14.51	22.13	62.83	1.10	14.59	22.24	63.16	1.10	26.04	73.95	1.29	6.5	80	--	5:1	3:3
11	ETT_SP_10050-4B	1.91	15.29	21.93	61.54	1.20	0.32	15.44	21.63	62.49	1.22	15.53	21.74	62.72	1.22	25.74	74.26	1.45	6.0	71	--	5:1	3:3
12	ETT_SP_10050-4C	2.11	17.64	20.34	59.90	1.12	0.58	17.92	20.64	60.84	1.14	18.02	20.78	61.19	1.15	25.35	74.65	1.40	5.5	65	--	5:1	3:3
13	ETT_SP_10050-5A	2.13	13.64	21.34	63.98	1.16	0.51	13.78	21.69	64.02	1.18	13.85	21.80	64.34	1.19	25.31	74.69	1.26	6.5	81	--	5:1	3:3
14	ETT_SP_10050-5B	2.22	11.86	21.88	64.04	0.67	0.35	12.07	22.25	65.13	0.68	12.13	22.37	65.49	0.69	25.46	74.34	0.78	6.5	83	--	5:1	3:3
15	ETT_SP_10050-5C	2.26	10.34	22.11	62.27	0.50	0.37	10.52	22.58	66.41	0.51	10.58	22.63	66.79	0.51	25.21	74.69	0.58	6.5	83	--	5:1	3:3
16	ETT_SP_10050-6A	3.40	13.39	21.38	53.04	0.98	0.42	13.77	21.99	63.61	0.93	13.84	22.13	64.01	0.91	25.69	74.11	1.06	6.5	78	--	5:1	3:3
17	ETT_SP_10050-6B	3.50	14.85	21.09	59.57	0.95	0.62	15.29	21.72	62.37	0.99	15.38	21.86	62.76	0.99	25.83	74.17	1.17	6.0	68	--	5:1	3:3
18	ETT_SP_10050-6C	2.95	14.23	22.14	60.58	1.20	0.60	14.68	22.66	62.04	1.23	14.75	22.82	62.42	1.24	26.77	73.23	1.45	6.5	78	--	5:1	3:3
19	ETT_SP_10050-7A	2.27	12.52	21.51	62.60	0.64	0.48	13.78	21.93	63.01	0.65	13.84	22.03	63.32	0.65	25.57	74.43	0.76	6.5	75	--	5:1	3:3
20	ETT_SP_10050-7B	2.13	13.31	22.32	62.25	0.66	0.46	13.53	22.65	63.41	0.67	13.60	22.70	63.70	0.67	25.57	73.73	0.78	6.5	82	--	5:1	3:3
21	ETT_SP_10050-7C	2.24	12.76	22.42	62.57	0.80	0.47	12.99	22.83	63.71	0.82	13.05	22.94	64.01	0.82	26.38	73.62	0.94	6.5	80	--	5:1	3:3

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDAIWS-23/20	ASH	VOL	TSUL
Certified Value	10.45	16.16	6.619
Standard Deviation	0.09	0.14	0.017
Unit	%	%	%
Analysed value	10.81	16.11	6.637

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. COPY RIGHT PROTECTED DOCUMENT



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Финанс төв, 1-р хороо,
Чингэлтэй дүүрэг,
Улаанбаатар хот

