



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_SSC



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)

23.5%

(-5.0; +5.0)

ДЭГДЭМХИЙ (daf)

33.0%

(-1.5; +1.5)

НИЙТ ХҮХЭР (db)

1.1%

(-0.5; +0.5)

БАРЬЦАЛДАХ
ЧАНАР

70.0

(-5.0; +10.0)

НҮҮРСНИЙ
ХЭМЖЭЭ

128.0

МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
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CERTIFICATE OF ANALYSIS
23172, 1189, J52, J243, K43, L78, 24A44, A89, A153, A173, A197, A225-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidee-8
1st Khoroо, Chinggisai District
Ulaanbaatar, Mongolia
ATTN: Munkhtuu.G
PROJECT NO.: xxx
LAB. JOB NO.: 23172, 1189, J52, J243, K43, L78, 24A44, A89, A153, A173, A197, A225-TT
NO. SAMPLES: 25
Notes/Comments: xxx

SAMPLES RECEIVED: 09/Sep/23 27/Jan/24
INSTRUCTIONS RECEIVED: 09/Sep/23 27/Jan/24
DATE OF REPORT: 10/Sep/23 28/Jan/24
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/Sep/23 28/Jan/24
PREPARATION CODE: CRUSA-01_02_ML_01
ANALYSIS CODE: L_COOKING COAL_CSN
TM, ASH, MOIS, VOL,
TSUL, CKN

APPROVED BY: Laboratory Manager

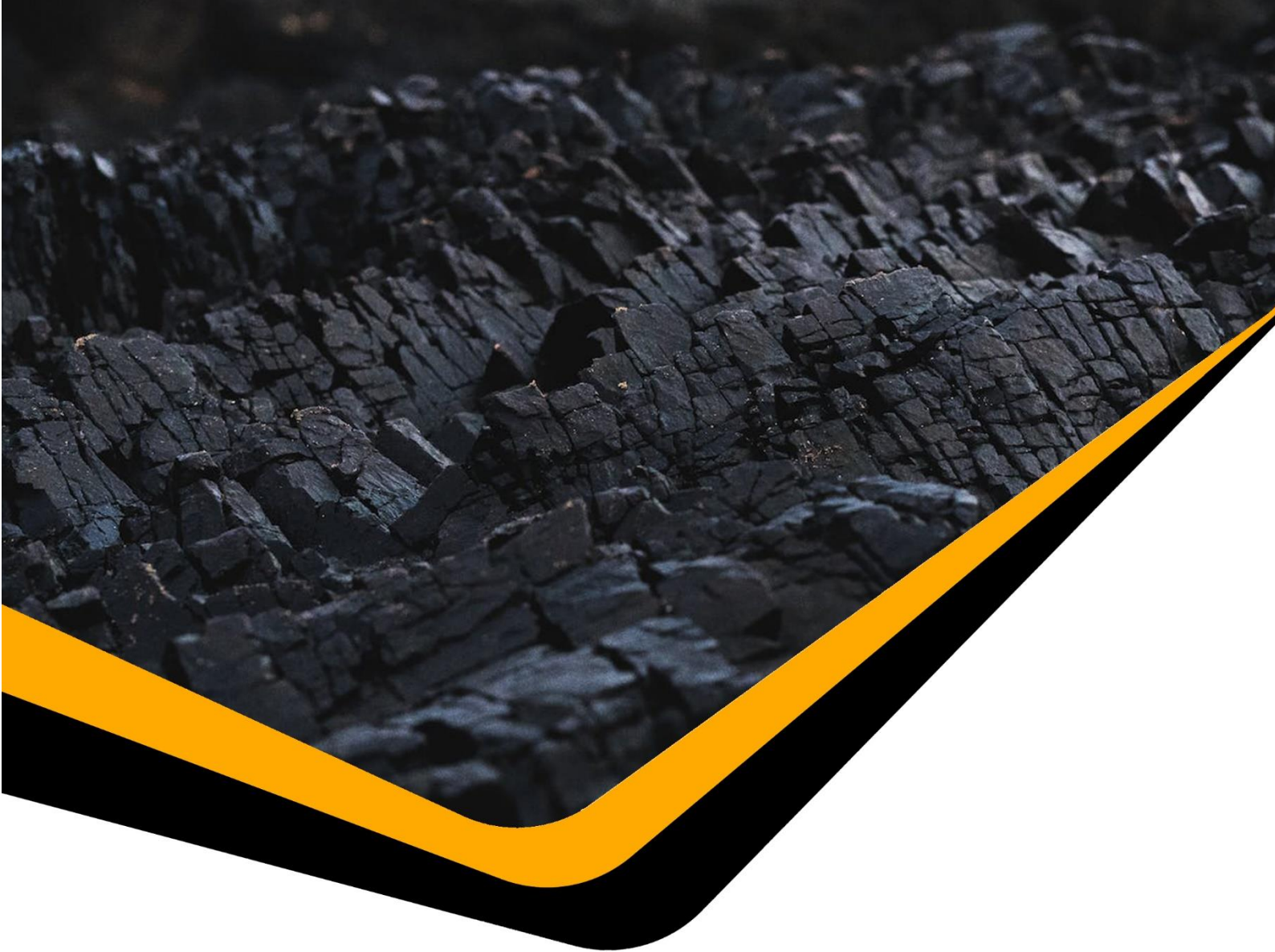
Quality Manager: *[Signature]*
CHECKED BY: *[Signature]*

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				Crumble Swelling Number (CSN)	Coal Caking Index (CKNI)	
		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)	5:1	3:3						
1	ETT_SP_10069-1A	0.80	24.33	20.45	54.22	0.73	0.45	24.42	20.72	54.40	0.73	24.53	20.83	54.65	0.73	27.58	72.42	0.97	6.0	71	-					
2	ETT_SP_10069-1B	0.71	24.48	19.86	52.95	1.29	0.49	26.54	19.90	53.07	1.29	26.67	20.00	53.33	1.30	27.27	72.73	1.17	4.0	52	-					
3	ETT_SP_10069-1C	4.65	12.79	28.04	54.52	0.52	0.85	13.30	29.16	56.69	0.54	13.42	29.41	57.18	0.55	33.96	66.04	0.63	6.0	70	-					
4	ETT_SP_10069-1D	2.44	23.69	20.89	52.98	0.73	0.66	24.13	21.27	53.95	0.74	24.28	21.41	54.30	0.74	28.28	71.72	0.98	5.5	66	-					
5	ETT_SP_10069-1E	3.71	24.81	21.74	49.73	0.65	0.68	25.59	22.83	51.30	0.67	25.78	22.58	51.45	0.67	30.42	69.58	0.90	5.5	69	-					
6	ETT_SP_10069-2A	1.80	30.82	20.72	46.67	0.65	0.71	31.15	20.95	47.19	0.66	31.38	21.10	47.52	0.66	30.74	69.26	0.96	-	-	-					
7	ETT_SP_10069-2B	1.54	26.07	22.38	50.01	0.70	0.62	26.32	22.58	50.48	0.71	26.48	22.73	50.79	0.71	30.91	69.09	0.97	7.6	76	-					
8	ETT_SP_10069-2C	2.11	37.55	19.05	41.29	0.57	0.73	38.08	19.32	41.87	0.58	38.36	19.46	42.18	0.58	31.57	68.43	0.94	4.3	43	-					
9	ETT_SP_10069-2D	2.67	32.30	20.18	44.85	0.62	0.79	32.92	20.57	45.72	0.63	33.19	20.73	46.08	0.64	31.03	68.97	0.95	6.2	62	-					
10	ETT_SP_10069-2E	1.32	22.93	21.30	54.45	0.47	0.43	23.13	21.49	54.94	0.48	23.23	21.58	55.18	0.48	28.12	71.88	0.63	5.5	66	-					
11	ETT_SP_10069-3A	1.86	21.10	22.78	54.26	0.56	0.43	21.41	23.11	55.95	0.57	21.50	23.21	56.29	0.57	29.57	70.43	0.73	6.5	81	-					
12	ETT_SP_10069-3B	2.22	22.24	20.74	54.80	0.44	0.44	22.64	21.12	55.80	0.46	22.74	21.21	56.04	0.46	27.46	72.54	0.85	6.0	74	-					
13	ETT_SP_10069-3C	2.31	15.52	24.36	57.80	0.60	0.42	15.82	24.83	58.93	0.61	15.89	24.94	59.17	0.61	29.65	70.35	0.73	6.5	81	-					
14	ETT_SP_10069-3D	2.75	19.68	22.58	54.99	0.57	0.60	20.12	23.08	56.21	0.58	20.24	23.22	56.54	0.58	29.11	70.89	0.73	6.5	78	-					
15	ETT_SP_10069-3E	2.76	18.20	23.22	55.82	0.63	0.58	18.61	23.74	57.08	0.65	18.72	23.88	57.41	0.65	29.37	70.63	0.80	6.5	80	-					
16	ETT_SP_10169-4A	1.89	24.08	21.61	52.62	0.56	0.44	24.64	21.93	53.19	0.57	24.85	22.03	53.43	0.57	29.19	70.81	0.76	6.0	72	-					
17	ETT_SP_10069-4B	2.67	28.78	20.88	47.66	0.56	0.55	29.41	21.34	48.71	0.57	29.57	21.46	48.97	0.57	30.46	69.54	0.81	5.5	66	-					
18	ETT_SP_10069-4C	2.91	20.53	23.14	53.42	0.69	0.56	21.02	23.70	54.72	0.70	21.14	23.84	55.02	0.71	30.23	69.77	0.90	6.5	77	-					
19	ETT_SP_10069-4D	2.96	23.28	21.65	52.12	0.82	0.52	23.86	22.19	53.43	0.84	23.98	22.31	53.71	0.84	29.35	70.65	1.11	6.0	75	-					
20	ETT_SP_10069-4E	3.36	16.92	23.85	55.87	0.90	0.50	17.42	24.56	57.53	0.93	17.50	24.68	57.82	0.94	29.92	70.08	1.13	6.5	87	-					
21	ETT_SP_10069-5A	3.73	22.94	21.90	51.42	0.74	0.71	23.66	22.59	53.04	0.77	23.83	22.75	53.42	0.77	29.87	70.13	1.02	6.5	78	-					
22	ETT_SP_10069-5B	4.14	19.30	22.67	53.89	0.77	0.59	20.01	23.51	55.89	0.80	20.13	23.65	56.22	0.80	29.61	70.39	1.00	6.5	80	-					
23	ETT_SP_10069-5C	4.07	24.23	21.33	50.37	0.70	0.62	25.10	22.10	52.18	0.72	25.28	22.24	52.51	0.73	29.75	70.25	0.97	6.0	74	-					
24	ETT_SP_10069-5D	4.08	21.87	22.63	51.42	0.68	0.62	22.66	23.45	53.27	0.71	22.80	23.59	53.61	0.71	30.56	69.44	0.92	6.5	82	-					
25	ETT_SP_10069-5E	3.15	18.25	23.65	54.94	0.73	0.40	18.77	24.32	56.50	0.75	18.85	24.42	56.73	0.75	30.09	69.91	0.92	6.5	86	-					

STDALEWS-30/21	ASH	VOL	TSUL
Certified Value	20.20	20.30	0.055
Standard Deviation	0.059	0.304	0.0155
Unit	%	%	%
Analyzed value	10.67	20.33	0.056

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

