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# НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

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№ ETT\_SP\_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

<p><b>НИЙТ ЧИЙГ (ad)</b></p> <p><b>3.0%</b></p> <p>(-2.0; +3.0)</p>	<p><b>ҮНСЛЭГ (db)</b></p> <p><b>16.0%</b></p> <p>(-2.0; +4.0)</p>	<p><b>ДЭГДЭМХИЙ (daf)</b></p> <p><b>28.0%</b></p> <p>(-2.0; +2.0)</p>
<p><b>НИЙТ ХҮХЭР (db)</b></p> <p><b>0.8%</b></p> <p>(-0.3; +0.5)</p>	<p><b>БАРЬЦАЛДАХ ЧАНАР</b></p> <p><b>75.0</b></p> <p>(-10.0; +10.0)</p>	<p><b>НҮҮРСНИЙ ХЭМЖЭЭ</b></p> <p><b>128.0</b></p> <p>МЯН.ТН</p>

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALB OROK LLC  
Mongol National Building, 2nd floor  
Chinggis Avenue, Khan-Uul District  
Ulaanbaatar, Mongolia  
Tel: +976 70 007887



CERTIFICATE OF ANALYSIS  
24A116, A146, A158, A160, A203, A225, A236, B29-TT

CLIENT: Erdenes Tavan Tolgoi JSC  
ADDRESS: Finance Center, Jigijeev-B 1st khoroо, Chingelhei District, Ulaanbaatar, Mongolia  
ATTN: MunkhtuulG  
PROJECT NO.: xxx  
LAB. JOB NO.: 24A116, A146, A158, A160, A203, A225, A236, B29-TT  
NO. SAMPLES: 17  
Notes/Comments: xxx

SAMPLES RECEIVED: 15/01/2024 3/02/2024  
INSTRUCTIONS RECEIVED: 15/01/2024 3/02/2024  
DATE OF REPORT: 16/01/2024 4/02/2024  
STATUS OF REPORT: FINAL  
ANALYSIS COMPLETE: 16/01/2024 4/02/2024  
PREPARATION CODE: CSPSC, CSPC, CSPG  
ANALYSIS CODE: 1\_COKING COAL, CSN  
TM, MOIS, ASh, VOL, TSUL, GCV, CKN

APPROVED BY:

Quality Manager

CHECKED BY: Chief Chemist

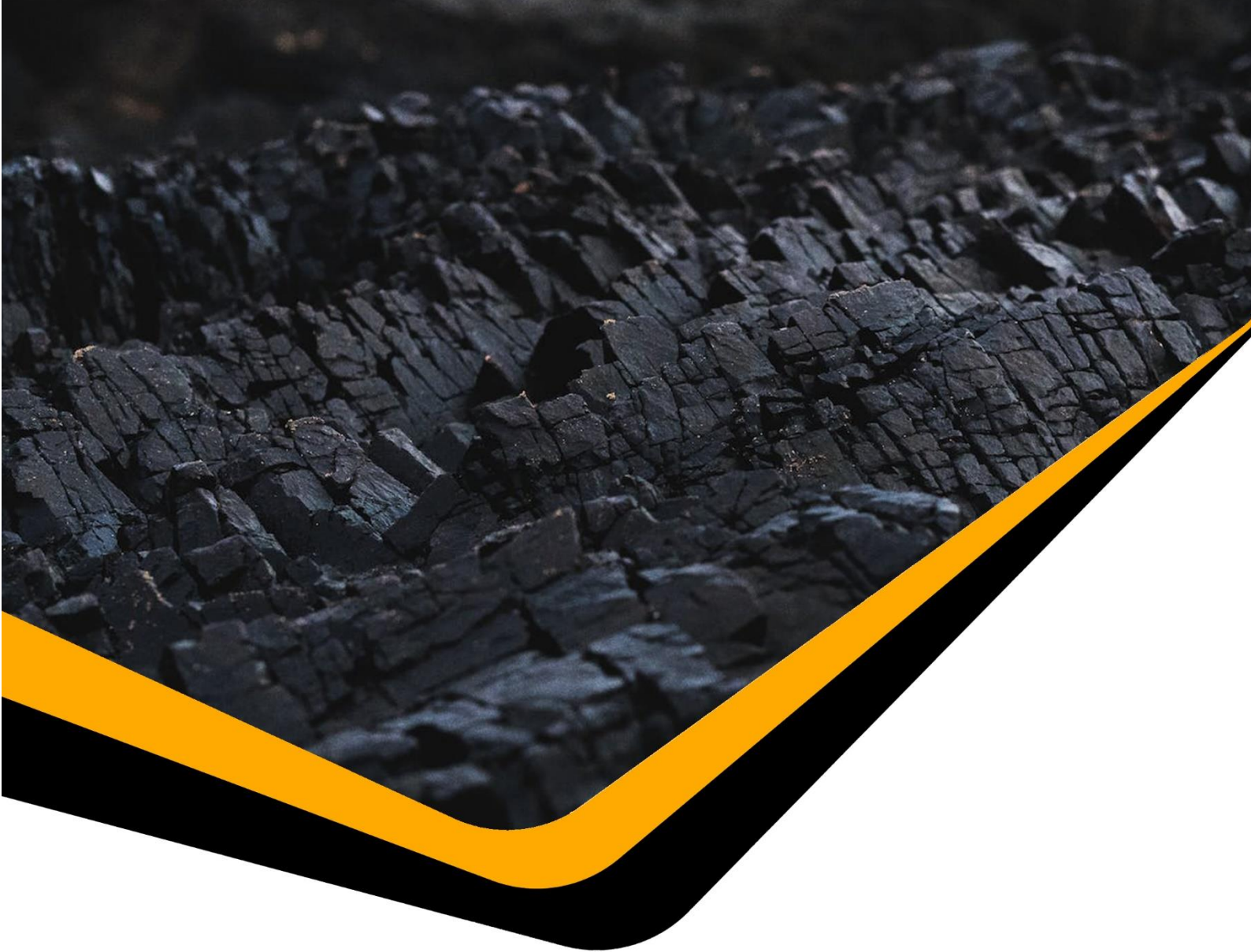
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS				AIR DRIED BASIS				DRY BASIS				Crucible Swelling Number (CSN)	Coal Caking Index (CKI)					
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)			Fixed Carbon	Total Sulphur (TSUL)			
1	ETT_SP_10170-1A	2.52	11.47	23.31	62.70	0.89	0.63	11.69	23.76	63.92	0.91	11.77	23.91	64.32	0.92	27.10	72.90	1.04	6.5	84
2	ETT_SP_10170-1B	2.98	11.09	22.96	62.97	0.95	0.61	11.36	23.52	64.51	0.97	11.43	23.66	64.90	0.98	26.72	73.28	1.11	6.5	81
3	ETT_SP_10170-1C	2.91	10.78	23.73	62.58	0.72	0.59	11.04	24.30	64.07	0.74	11.11	24.44	64.45	0.74	27.49	72.51	0.83	6.5	84
4	ETT_SP_10170-2A	3.91	17.43	20.12	58.54	1.00	0.49	18.05	20.83	60.63	1.09	18.14	20.93	60.93	1.09	25.57	74.43	1.34	5.5	67
5	ETT_SP_10170-2B	3.72	14.68	20.86	60.54	0.81	0.57	15.37	21.54	62.52	0.84	15.45	21.66	62.88	0.85	23.62	74.38	1.00	6.5	74
6	ETT_SP_10170-2C	3.18	17.07	20.97	58.76	1.05	0.52	17.54	21.54	60.40	1.08	17.63	21.66	60.71	1.09	26.29	73.71	1.32	6.5	75
7	ETT_SP_10170-3A	3.09	13.33	21.56	62.03	1.02	0.47	13.69	22.14	63.70	1.05	13.75	22.24	64.00	1.06	25.79	74.21	1.22	6.5	81
8	ETT_SP_10170-3B	4.25	16.36	20.40	59.00	1.11	0.51	17.00	21.19	61.30	1.15	17.08	21.30	61.62	1.16	25.69	74.31	1.40	6.5	77
9	ETT_SP_10170-3C	4.97	14.25	20.69	60.09	1.15	0.40	14.94	21.68	62.98	1.21	15.00	21.77	63.23	1.21	25.61	74.39	1.43	6.0	75
10	ETT_SP_10170-4A	3.77	14.57	20.84	60.83	0.92	0.52	15.06	21.54	62.88	0.95	15.14	21.65	63.21	0.95	25.51	74.49	1.12	6.0	68
11	ETT_SP_10170-4B	3.33	15.83	20.70	60.14	1.13	0.53	16.29	21.30	61.89	1.16	16.38	21.41	62.21	1.17	25.60	74.40	1.39	6.0	72
12	ETT_SP_10170-4C	3.33	14.78	20.82	61.07	0.98	0.57	15.20	21.41	62.82	0.99	15.29	21.53	63.18	0.99	25.42	74.58	1.17	6.0	74
13	ETT_SP_10170-5A	3.27	16.10	21.07	59.46	1.13	0.52	16.57	21.69	61.21	1.17	16.66	21.81	61.53	1.17	26.17	73.83	1.41	5.5	67
14	ETT_SP_10170-5B	3.65	16.73	20.52	59.10	1.69	0.49	17.28	21.19	61.04	1.75	17.37	21.30	61.33	1.76	25.77	74.23	2.13	5.5	66
15	ETT_SP_10170-5C	3.31	14.29	21.80	60.60	1.30	0.59	14.70	22.41	62.30	1.34	14.78	22.55	62.67	1.34	26.46	73.54	1.58	6.5	78
16	ETT_SP_10170-6A	3.22	15.97	22.18	58.62	1.21	0.53	16.42	22.80	60.25	1.24	16.51	22.92	60.57	1.25	27.45	72.55	1.49	6.5	75
17	ETT_SP_10170-6B	3.68	18.95	20.54	56.83	1.49	0.58	19.56	21.20	58.66	1.53	19.67	21.32	59.00	1.54	26.55	73.45	1.92	5.5	65

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALEWS-60/23	ASH	VOL	TSUL
Certified Value	10.67	20.55	0.620
Standard Deviation	0.056	0.137	0.0144
Unit	%	%	%
Analyzed value	10.68	20.57	0.619

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

