



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_TC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

<p>НИЙТ ЧИЙГ TM (ar) 3.0% (-1.0; +5.0)</p>	<p>ҮНСЛЭГ Ash(db) 25.7% (-5.0; +5.0)</p>	<p>ДЭГДЭМХИЙ БОДИС VM (daf) 34.0% (max)</p>
<p>НИЙТ ХҮХЭР S(db) 1.0% (-0.3; +0.5)</p>	<p>ИЛЧЛЭГ (ar) 5700 (-500; +500)</p>	<p>НҮҮРСНИЙ ХЭМЖЭЭ 256.0 МЯН.ТН</p>

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
 Mongol Nakhmel Building, 2nd khoroo
 Chinggis Avenue, Khan-Uul District
 Ulaanbaatar, Mongolia
 Tel +976 70 007667



CERTIFICATE OF ANALYSIS
 24B140-J122-TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
 1st khoroo, Chingeltei District
 Ulaanbaatar, Mongolia
ATTN: Munkhtuul.G
PROJECT NO. xxx
LAB. JOB NO. 24B140-J122-TT
NO. SAMPLES: 61
Notes/Comments: xxx

SAMPLES RECEIVED: 16/02/2024 12/10/2024
INSTRUCTIONS RECEIVED: 16/02/2024 12/10/2024
DATE OF REPORT: 17/02/2024 13/10/2024
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 17/02/2024 13/10/2024
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 2.1_THERMAL COAL_CSN
 TM, MOIS, ASH, VOL, TSUL
 GCV, CKIN

APPROVED BY: Laboratory Manager
 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							
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)
		%				kcal/kg							
1	ETT-SP-30013-1A	3.36	24.08	22.47	50.09	0.78	5975	0.47	24.80	23.14	51.59	0.80	6154
2	ETT-SP-30013-1B	4.30	21.92	22.68	51.10	1.02	6128	0.62	22.76	23.56	53.06	1.06	6365
3	ETT-SP-30013-1C	4.07	24.47	22.39	49.07	1.05	5862	0.63	25.35	23.20	50.83	1.09	6072
4	ETT-SP-30013-1D	4.63	23.33	22.61	49.43	0.97	5873	0.73	24.28	23.54	51.45	1.01	6113
5	ETT_SP_30013-2A	3.04	21.59	23.24	52.13	0.76	6185	0.48	22.16	23.85	53.50	0.78	6348
6	ETT_SP_30013-2B	2.80	29.13	21.21	46.85	0.98	5536	0.59	29.79	21.70	47.92	1.00	5662
7	ETT_SP_30013-2C	3.89	27.86	20.94	47.31	0.90	5652	0.62	28.80	21.65	48.92	0.93	5845
8	ETT_SP_30013-2D	4.34	22.57	22.74	50.35	0.74	6050	0.59	23.45	23.63	52.33	0.77	6287
9	ETT_SP_30013-3A	2.29	22.57	24.41	50.73	0.86	6123	0.49	22.99	24.86	51.67	0.88	6235
10	ETT_SP_30013-3B	2.37	22.36	23.87	51.40	0.85	6214	0.51	22.79	24.33	52.38	0.87	6332
11	ETT_SP_30013-3C	2.69	23.67	23.50	50.14	1.03	6068	0.54	24.19	24.02	51.24	1.06	6202
12	ETT_SP_30013-3D	2.41	23.54	23.71	50.34	0.96	6084	0.51	24.00	24.17	51.32	0.97	6202

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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24B140-J122-TT

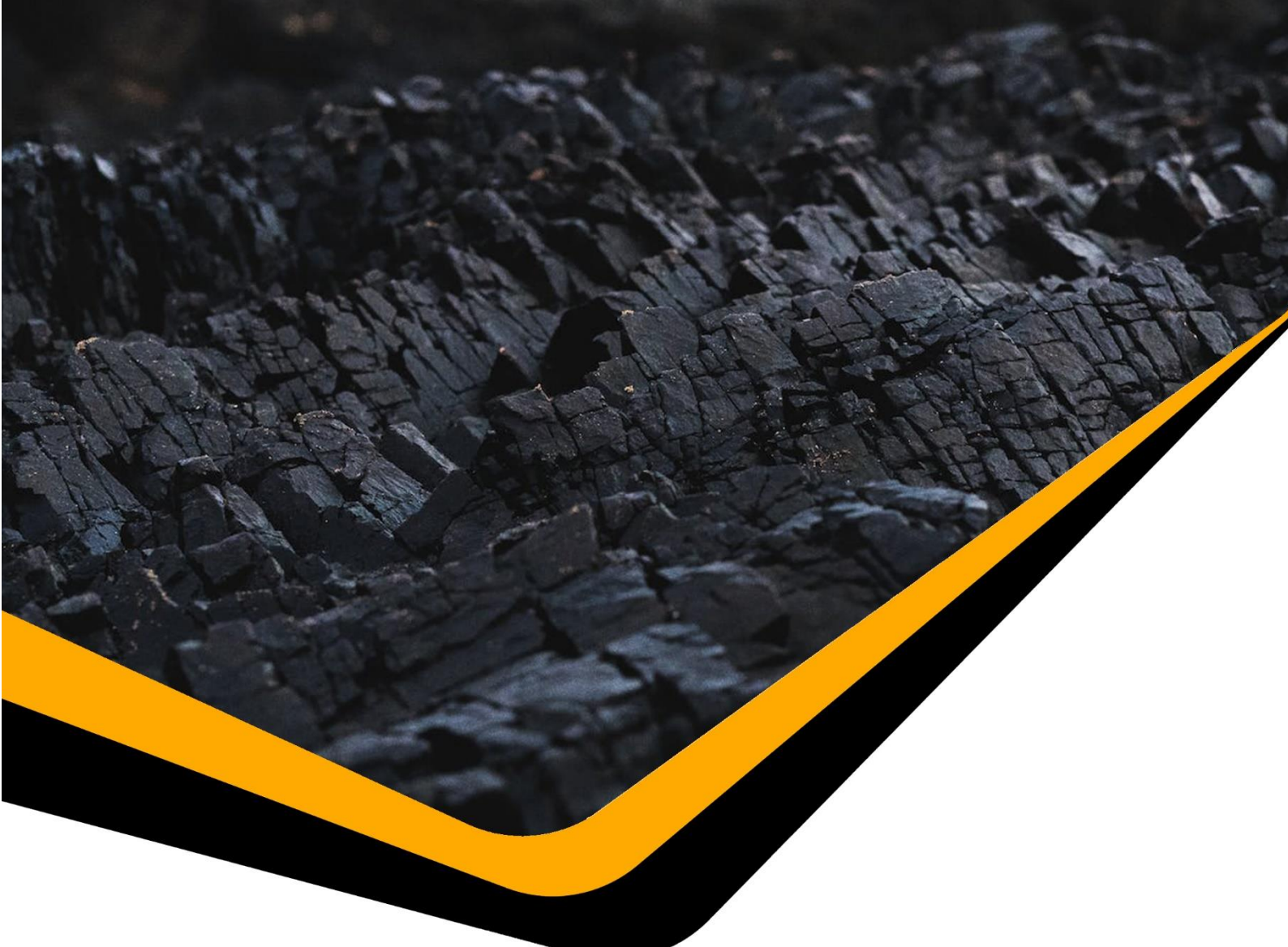
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CSN
TM, MOIS, ASH, VOL,
TSUL, GCV, CKIN

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LAB NO.	SAMPLE NO.	STANDARD METHOD		GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 5448	GB/T 5447	
		ASH		VOLATILE MATTER (VOL)		FIXED CARBON (FC)		TOTAL SULPHUR (TSUL)		GROSS CALORIFIC VALUE (GCV)		CRUCIBLE SWEIJING NUMBER (CSN)		COAL CAKING INDEX (CKIN)	
		212	212	212	212	212	212	212	212	212	212	212	212	5:1	3:3
1	ETT-SP-30013-1A	24.92	23.25	51.83	0.81	6183	30.96	69.04	1.07	8234	-	-	16		
2	ETT-SP-30013-1B	22.90	23.70	53.39	1.07	6404	30.75	69.25	1.39	8306	-	-	15		
3	ETT-SP-30013-1C	25.51	23.34	51.15	1.10	6111	31.34	68.66	1.48	8203	-	-	16		
4	ETT-SP-30013-1D	24.46	23.71	51.83	1.01	6158	31.39	68.61	1.34	8153	-	-	13		
5	ETT_SP_30013-2A	22.27	23.97	53.76	0.78	6379	30.83	69.17	1.01	8207	-	-	14		
6	ETT_SP_30013-2B	29.97	21.83	48.21	1.01	5696	31.17	68.83	1.44	8133	-	-	14		
7	ETT_SP_30013-2C	28.98	21.79	49.23	0.94	5881	30.68	69.32	1.32	8282	-	-	10		
8	ETT_SP_30013-2D	23.59	23.77	52.64	0.77	6325	31.11	68.89	1.01	8277	-	-	12		
9	ETT_SP_30013-3A	23.10	24.98	51.92	0.88	6266	32.48	67.52	1.14	8148	-	-	16		
10	ETT_SP_30013-3B	22.90	24.45	52.65	0.87	6365	31.71	68.29	1.13	8256	-	-	15		
11	ETT_SP_30013-3C	24.33	24.15	51.52	1.06	6236	31.92	68.08	1.40	8240	-	-	17		
12	ETT_SP_30013-3D	24.13	24.29	51.58	0.98	6234	32.01	67.99	1.29	8216	-	-	17		

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Чингэлтэй дүүрэг,
Улаанбаатар хот

