



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)</p> <p>≤9.0%</p>	<p>НИЙТ ХҮХЭР S(db)</p> <p>1.5% (-0.3; +0.5)</p>	<p>ДЭГДЭМХИЙ БОДИС VM (daf)</p> <p>>20-37.0%</p>
<p>ИЛЧЛЭГ (ar)</p> <p>≤6000</p>	<p>БАРЬЦАЛДАХ ЧАНАР</p> <p>≤30.0</p>	<p>НҮҮРСНИЙ ХЭМЖЭЭ</p> <p>64.0 МЯН.ТН</p>

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
Mongol National Building, 3rd Floor
Chinggis Avenue, Khushu District
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CERTIFICATE OF ANALYSIS
25D309.E57.E299.F36.009.G239.G244.TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Fuzuroo Center, Aguijiev-6
Tarkhoro, Chinggis District
Ulaanbaatar, Mongolia
ATTN: Erdenebayar M
PROJECT NO.: xxx
LAB. JOB NO.: 25D309.E57.E299.F36.009.G239.G244.TT
NO. SAMPLES: 15
Notes/Comments: xxx

SAMPLES RECEIVED: 31/04/2025 21:00/2025
INSTRUCTIONS RECEIVED: 30/04/2025 21:00/2025
DATE OF REPORT: 1/05/2025 20:07/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 1/05/2025 20:07/2025
PREPARATION CODE: CRUSHED 12 MILLI-61
ANALYSIS CODE: 2.1 THERMAL COAL
TM, MOIS, ASH, VOL, TPAI,
GCV, CEM, CEM



These test results are representative only of the sample analyzed at the laboratory.

STANDARD METHOD	LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS				
			GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 15579	GB/T 213	GB/T 213	GB/T 212	GB/T 212	GB/T 212	GB/T 212	ISO 15579	GB/T 213		
			Total Moisture (TM)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Moisture (MOIS)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)			
			%	%	%	%	kJ/kg	%	%	%	%	%	kJ/kg				
1	25112480		3.76	21.68	18.27	56.29	1.03	6118	1.06	22.29	16.76	57.87	1.06	6290			
2	25112530		1.27	16.63	18.33	55.78	0.62	5923	2.87	19.55	19.23	58.55	0.65	6217			
3	25119059		6.98	16.78	16.83	59.66	0.45	6139	1.77	17.72	17.74	62.77	0.48	6482			
4	25119656		6.41	16.53	17.81	57.25	0.65	6486	1.72	18.75	18.70	64.32	0.63	6811			
5	25119656		8.27	16.54	17.71	57.53	0.44	6098	2.48	17.69	18.63	61.18	0.47	6466			
6	25148504		8.26	19.27	16.82	55.95	0.48	5851	2.14	20.34	17.84	59.37	0.51	6210			
7	25148424		9.66	17.13	16.58	57.83	0.43	5999	1.89	18.38	17.77	61.98	0.48	6436			
8	25148403		3.81	14.87	17.27	64.30	0.47	6822	1.18	16.23	17.67	65.93	0.63	6999			
9	25148700		6.80	20.80	17.64	54.68	0.47	5769	2.16	21.02	18.52	57.80	0.49	6956			
10	25173001		5.82	14.91	22.43	56.84	0.43	6266	2.28	15.47	23.27	58.99	0.45	6400			
11	25173301		6.72	13.46	23.96	55.86	0.36	6219	2.49	14.07	25.05	58.29	0.39	6501			
12	25186419		2.82	22.99	17.07	57.61	1.03	6357	0.78	22.46	17.94	58.82	1.04	6490			
13	25186519		3.19	18.11	17.60	61.38	1.13	6675	0.79	18.05	17.82	63.84	1.17	6817			
14	25199227		1.75	19.45	17.09	61.21	0.89	6756	0.62	19.67	17.76	61.92	0.90	6783			
15	25199227		1.88	18.36	16.37	61.67	1.21	6735	0.50	18.93	18.84	63.03	1.22	6784			

QUALITY ASSURANCE/QUALITY CONTROL DATA

STD/ANALYST	ASH	VOL	GCV	TSUL
Control Value	18.67	24.89	5979	0.422
Standard Deviation	0.088	0.157	24	0.0784
Unit	%	%	kJ/kg	%
Analyzed value	10.48	20.54	5877	0.416

This is the Final Report and comments are preliminary require this as the final number. Please apply for comments as submitted. All pages of this report have been checked and approved for release. Copy issued PROHIBITED DOCUMENT

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CERTIFICATE OF ANALYSIS
25D009, E57, E299, F3A, G09, G230, G344-TT

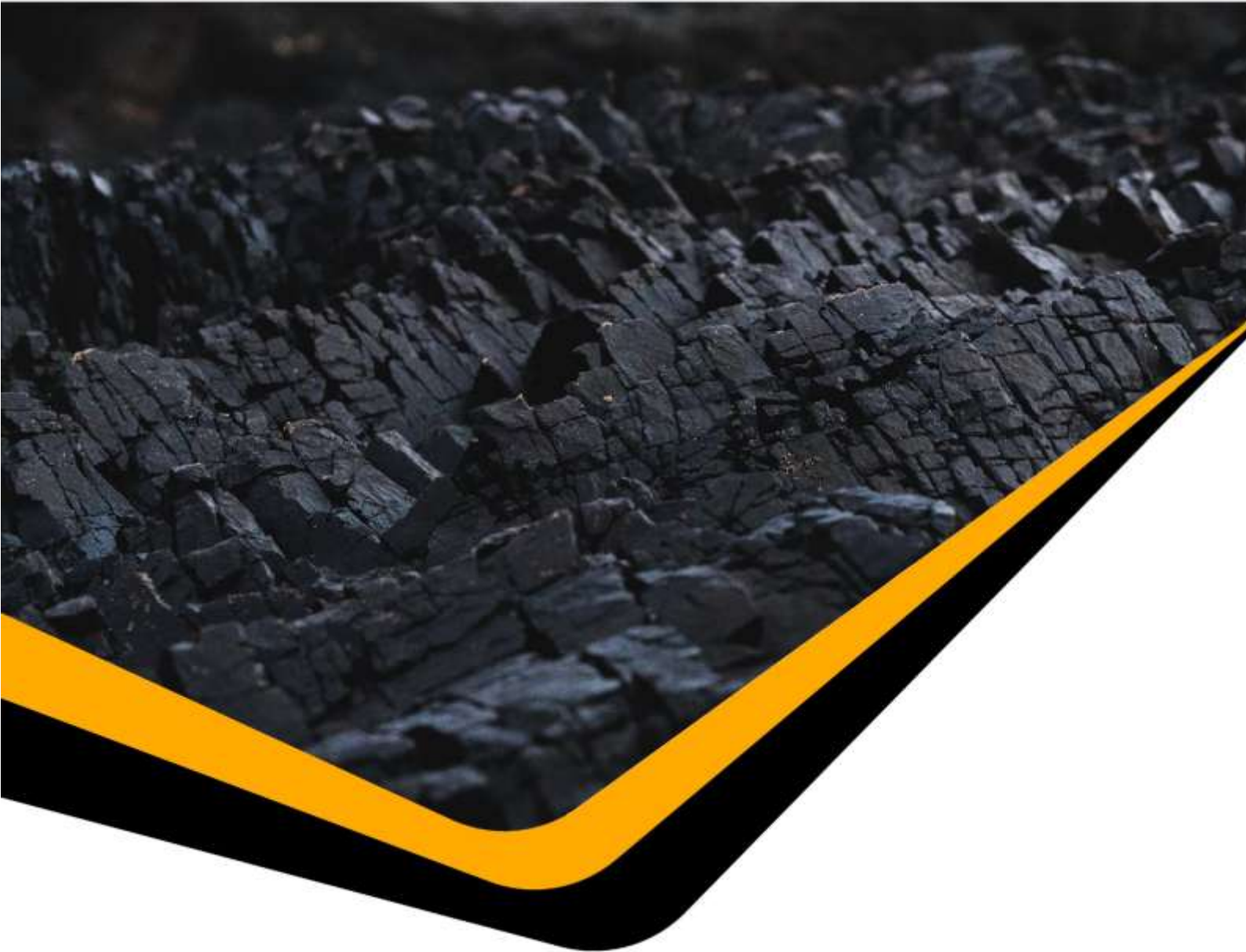
CLIENT: Erdene Tavantolgoi JSC
ADDRESS: Finance Center, Jagdard-8
Tal Moroo, Chinggis District
Ulaanbaatar, Mongolia
ATTN: Dkhondoyin M
PROJECT NO.: 200
LAB. JOB NO.: 25D009, E57, E299, F3A, G09, G230, G344-TT
NO. SAMPLES: 15
Notes/Comments: 200

SAMPLES RECEIVED: 2024/02/28 27:03:02Z
INSTRUCTIONS RECEIVED: 2024/02/28 23:03:02Z
DATE OF REPORT: 1/05/2025 20:03:00Z
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ANALYSIS COMPLETE: 1/05/2025 20:03:02Z
PREPARATION CODE: C105H-01, 02, M05, 01
ANALYSIS CODE: 2.1, 540NORMAL COAL,
TM, M05, A34, V01, T01,
G01, C01, C01

Please refer to the applicable parts of the standard mentioned in the laboratory.

LAB NO.	SAMPLE NO.	STANDARD METHODS										G8/T 5447			
		G8/T 212	G8/T 212	G8/T 212	ISO 15679	G8/T 213	G8/T 212	G8/T 212	ISO 15679	G8/T 213	G8/T 213	Grat Caking Index (CCI)			
		DRY BASIS													
		Ash (ABD)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSMU)	Gross Calorific Value (GCV)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSMU)	Gross Calorific Value (GCV)					
		%										kJ/kg	kJ/kg	S-1	S-2
1	25112430	22.53	18.98	50.49	1.87	5177	34.50	74.02	1.38	8246	-	0			
2	25112530	20.08	19.76	50.16	1.67	6187	24.73	75.27	0.84	7293	-	0			
3	25119356	18.04	18.06	53.90	0.49	4649	22.04	77.96	0.08	8052	-	0			
4	25119456	19.92	19.03	45.45	0.65	4430	21.53	77.87	0.78	8200	-	0			
5	25119026	18.92	19.29	52.48	0.20	4625	23.54	76.98	0.61	8081	-	0			
6	25118026	21.07	18.39	40.66	0.52	4342	23.21	76.79	0.66	8032	-	0			
7	25140236	18.72	18.11	53.17	0.49	4553	22.28	77.73	0.68	8063	-	0			
8	25150603	15.41	13.36	54.70	0.44	7070	21.18	78.84	0.75	8362	-	0			
9	25150593	22.41	18.92	58.67	0.30	6190	24.39	75.61	0.65	7977	-	0			
10	25172801	15.83	23.82	40.36	0.46	3090	28.29	71.71	0.64	7679	-	0			
11	25172181	14.43	25.89	39.88	0.38	3467	30.02	68.98	0.45	7741	-	0			
12	25184719	22.64	18.08	39.28	1.09	3841	23.37	76.62	1.26	8455	-	15			
13	25184719	18.76	17.76	43.34	1.18	4482	22.10	77.90	1.46	8477	-	13			
14	25194817	19.79	17.95	42.30	0.50	4425	22.52	77.48	1.11	8352	-	13			
15	25199227	19.03	18.44	42.94	1.22	4831	23.01	76.99	1.51	8338	-	14			

The client has read and approved any preliminary report with the certificate number. Results apply to samples as submitted. All pages of the report have been checked and approved for release.
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Чингэлтэй дүүрэг,
Улаанбаатар хот

