



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_TC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ
ТМ (ar)**5.0%**

(-1.0; +3.0)

НИЙТ ХҮХЭР S(db)

1.0%

(-0.3; +0.5)

ДЭГДЭМХИЙ
БОДИС VM (daf)**34.0%**

(max)

ИЛЧЛЭГ (ar)

5500

(-500; +500)

ҮНСЛЭГ Ash (db)

25.0%

(-5.0; +3.0)

БАРЬЦАЛДАХ
ЧАНАР**≤5.0**НҮҮРСНИЙ
ХЭМЖЭЭ**128.0**

МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
Mongol Nakhlmal Building, 2nd khoroо
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007667CERTIFICATE OF ANALYSIS
25C96,C129,C231,C235,C286,D32,D99-TTCLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
1st khoroо, Chingelhei District
Ulaanbaatar, Mongolia
ATTN: Javzandulam.B
PROJECT NO. xxx
LAB. JOB NO. 25C96,C129,C231,C235,C286,D32,D99-TT
NO. SAMPLES: 12
Notes/Comments: xxxSAMPLES RECEIVED: 9/03/2025 09/04/2025
INSTRUCTIONS RECEIVED: 9/03/2025 09/04/2025
DATE OF REPORT: 10/03/2025 10/04/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/03/2025 10/04/2025
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 2-1_THERMAL COAL
THERMAL COAL VOL TSUL
APPROVED BY: Lab/Manager
ИТЭМЖЛЭГЧИЙН
ЛАБОРАТОРИ
Quality Manager
CHECKED BY: Chief Chemist

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

STANDARD METHOD		GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 212	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213
		AS RECEIVED BASIS											
LAB NO.	SAMPLE NO.	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)
		%	%	%	%	%	kcal/kg	%	%	%	%	%	kcal/kg
1	2563809	3.17	22.93	17.05	56.85	0.87	6209	0.59	23.54	17.50	58.37	0.89	6375
2	2563909	3.18	18.90	17.54	60.38	1.30	6577	0.43	19.43	18.04	62.10	1.34	6764
3	2567013	6.08	22.35	17.01	54.56	0.89	5890	1.11	23.54	17.91	57.44	0.94	6201
4	2567113	4.60	20.88	17.06	57.45	1.20	6256	0.65	21.74	17.77	59.84	1.25	6515
5	2574922	3.00	19.12	17.56	60.32	1.00	6527	0.54	19.60	18.00	61.85	1.03	6693
6	2575223	5.12	21.04	15.58	58.26	1.53	6158	0.76	22.01	16.29	60.94	1.60	6441
7	2579029	5.04	18.70	17.67	58.59	1.01	6420	0.73	19.55	18.47	61.26	1.05	6712
8	2579129	6.17	21.91	16.44	55.48	0.84	5997	1.00	23.12	17.35	58.53	0.89	6328
9	2584003	4.22	22.25	17.12	56.40	1.04	6056	0.83	23.04	17.72	58.40	1.08	6270
10	2584103	3.82	24.97	17.30	53.91	0.78	5935	0.46	25.85	17.90	55.79	0.81	6142
11	2588809	5.30	20.86	17.16	56.69	0.74	6094	0.97	21.81	17.94	59.28	0.77	6373
12	2588909	5.09	21.26	16.66	56.99	0.58	6095	1.07	22.16	17.37	59.41	0.61	6354

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-40/23	ASH	VOL	GCV	TSUL
----------------	-----	-----	-----	------

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

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



CERTIFICATE OF ANALYSIS
25C96,C129,C231,C235,C286,D32,D99-TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjev-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Javzandulam.B
PROJECT NO. xxx
LAB. JOB NO. 25C96,C129,C231,C235,C286,D32,D99-TT
NO. SAMPLES: 12
Notes/Comments: xxx

SAMPLES RECEIVED: 9/03/2025 09/04/2025
INSTRUCTIONS RECEIVED: 9/03/2025 09/04/2025
DATE OF REPORT: 10/03/2025 10/04/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/03/2025 10/04/2025
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 2.1_THERMAL COAL
TM, MOIS, ASH, VOL, TSUL,
GCV, CKN

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

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 5447		
LAB NO.	SAMPLE NO.	DRY BASIS					DRY, ASH-FREE BASIS					Coal Caking Index (CKIN)	
		Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)			
%					kcal/kg	%					kcal/kg	5:1	3:3
1	2563809	23.68	17.60	58.72	0.90	6413	23.07	76.93	1.18	8403	-	15	
2	2563909	19.52	18.12	62.37	1.34	6794	22.51	77.49	1.67	8441	-	15	
3	2567013	23.80	18.11	58.09	0.95	6271	23.77	76.23	1.25	8230	-	10	
4	2567113	21.88	17.88	60.23	1.26	6558	22.89	77.11	1.61	8395	-	15	
5	2574922	19.71	18.10	62.19	1.03	6729	22.55	77.45	1.29	8381	-	13	
6	2575223	22.18	16.42	61.40	1.61	6490	21.10	78.90	2.07	8340	-	11	
7	2579029	19.69	18.60	61.71	1.06	6761	23.17	76.83	1.32	8419	-	15	
8	2579129	23.35	17.52	59.13	0.90	6392	22.86	77.14	1.17	8339	-	12	
9	2584003	23.23	17.87	58.89	1.08	6323	23.28	76.72	1.41	8237	-	2	
10	2584103	25.96	17.99	56.05	0.81	6170	24.29	75.71	1.09	8334	-	15	
11	2588809	22.02	18.12	59.86	0.78	6435	23.24	76.76	1.00	8252	-	5	
12	2588909	22.40	17.55	60.05	0.62	6422	22.62	77.38	0.79	8276	-	10	

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



