ERDENES TAVANTOLGOI
ETT

НҮҮРСНИЙ ОВООЛГЫН

ҮЗҮҮЛЭЛТ

№ ETT_SP_SSC



ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)	ҮНСЛЭГ (db)	ДЭГДЭМХИЙ (daf)
5.0%	26.0%	>28.0-37.0%
(-2.0; +3.0)	(-3.0; +3.0)	

НИЙТ ХҮХЭР (db)	БАРЬЦАЛДАХ ЧАНАР (5:1)	НҮҮРСНИЙ ХЭМЖЭЭ
1.1%	>65.0	32.0
(-0.3; +0.5)		МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
Mongol Nekhmel Building, 19nd khoroo
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007667

CERTIFICATE OF ANALYSIS
26C30,C153,C197,C234,C367,D234,E25-TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8, 1st khoroo, Chingeltei District, Ulaanbaatar, Mongolia
ATTN: Tsendmaa.B
PROJECT NO. xxx
LAB. JOB NO. 26C30,C153,C197,C234,C367,D234,E25-TT
NO. SAMPLES: 14
Notes/Comments: xxx

SAMPLES RECEIVED: 3/03/2026 7:16
INSTRUCTIONS RECEIVED: 3/03/2026 7:16
DATE OF REPORT: 3/05/2026 23:05
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 3/05/2026 23:05
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: TM, MOIS, ASH, VOL, TSUL, GCV, CSN, CKIN

APPROVED BY: Laboratory Manager
B.Bold-Erdene

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						AIR DRIED BASIS					
LAB NO.	SAMPLE NO.	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			%			kcal/kg
1	2677503	3.53	31.99	23.56	40.92	1.11		0.68	32.93	24.26	42.12	1.15	
2	2677603	3.82	29.10	24.71	42.36	1.09		0.66	30.06	25.52	43.76	1.13	
3	2690011	2.08	31.24	23.55	43.14	1.12		0.65	31.69	23.89	43.76	1.13	
4	2690111	3.15	30.57	23.54	42.75	1.00		0.64	31.36	24.15	43.85	1.03	
5	2693214	3.87	21.56	24.89	49.69	0.65		0.78	22.25	25.69	51.28	0.67	
6	2693314	3.44	21.41	24.57	50.59	0.69		0.68	22.02	25.27	52.04	0.71	
7	2696715	2.05	25.64	22.85	49.45	0.58		0.57	26.03	23.20	50.20	0.58	
8	2696815	2.92	24.73	23.47	48.89	0.66		0.58	25.32	24.03	50.06	0.67	
9	26110727	2.73	27.59	24.17	45.52	0.99		0.71	28.16	24.67	46.46	1.01	
10	26110827	2.41	29.65	24.09	43.85	0.93		0.75	30.16	24.50	44.60	0.94	
11	26140722	1.65	20.24	26.92	51.19	1.92	6602	0.67	20.44	27.19	51.70	1.93	6668
12	26140822	1.61	20.61	26.95	50.83	1.22	6580	0.64	20.81	27.21	51.33	1.23	6645

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.
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13	26154802	1.28	20.16	26.66	51.90	0.75	6696	0.53	20.31	26.86	52.30	0.76	6747
14	26154902	1.96	23.20	25.58	49.26	0.73	6364	0.65	23.50	25.93	49.92	0.74	6448

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-41/25	ASH	VOL	GCV	TSUL
Certified Value	10.93	20.61	7693	0.680
Standard Deviation	0.049	0.076	12	0.007
Unit	%	%	kcal/kg	%
Analyzed value	10.92	20.64	7695	0.679

ALS GROUP LLC
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CERTIFICATE OF ANALYSIS
26C30,C153,C197,C234,C367,D234,E25-TT

CLIENT: Erdenes Tavantolgoi JSC

ADDRESS: Finance Center, Jigjidjav-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia

ATTN: Tsendmaa.B

PROJECT NO. xxx

LAB. JOB NO. 26C30,C153,C197,C234,C367,D234,E25-TT

NO. SAMPLES: 14

Notes/Comments: xxx

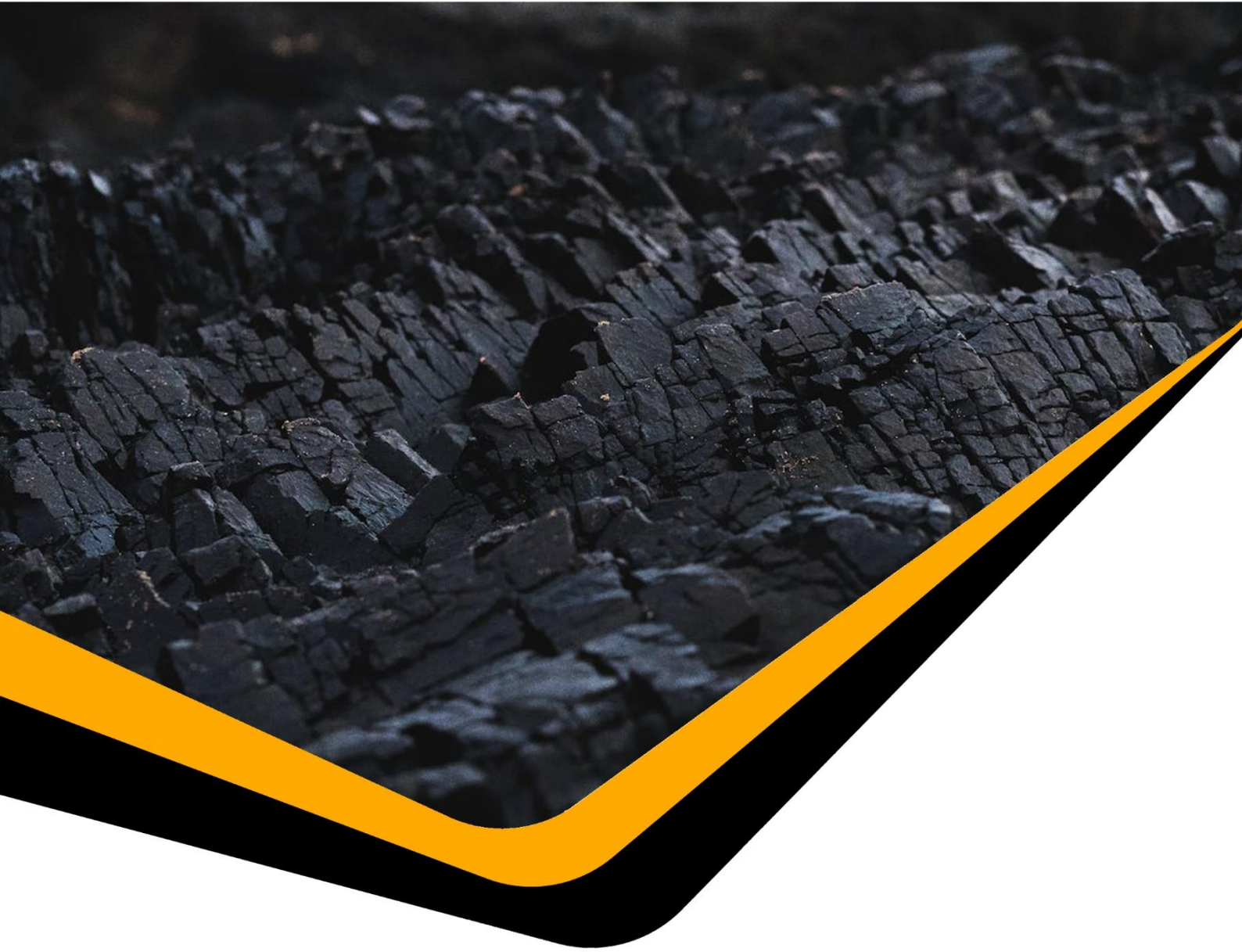
SAMPLES RECEIVED: 03/Mar/26
INSTRUCTIONS RECEIVED: 03/Mar/26
DATE OF REPORT: 03/May/26
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 03/May/26
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: TM, MOIS, ASH, VOL, TSUL, GCV, CSN, CKIN

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 5448	GB/T 5447	
		DRY BASIS					DRY, ASH-FREE BASIS						
LAB NO.	SAMPLE NO.	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)	Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)	
		%				kcal/kg		%		kcal/kg		5:1	3:3
1	2677503	33.16	24.43	42.41	1.15		36.54	63.46	1.73		5.0	60	-
2	2677603	30.26	25.69	44.05	1.13		36.84	63.16	1.63		5.0	63	-
3	2690011	31.90	24.05	44.05	1.14		35.31	64.69	1.67		4.5	54	-
4	2690111	31.56	24.30	44.14	1.03		35.51	64.49	1.51		5.0	64	-
5	2693214	22.42	25.89	51.69	0.67		33.37	66.63	0.87		5.5	67	-
6	2693314	22.17	25.44	52.39	0.72		32.68	67.32	0.92		6.0	76	-
7	2696715	26.18	23.33	50.49	0.59		31.61	68.39	0.80		5.5	68	-
8	2696815	25.47	24.17	50.36	0.68		32.44	67.56	0.91		5.5	65	-
9	26110727	28.37	24.84	46.79	1.02		34.68	65.32	1.42		6.0	71	-
10	26110827	30.38	24.68	44.94	0.95		35.45	64.55	1.36		6.0	70	-
11	26140722	20.58	27.37	52.05	1.95	6713	34.46	65.54	2.45	8452	7.0	88	-
12	26140822	20.95	27.39	51.66	1.24	6688	34.65	65.35	1.57	8461	7.0	86	-

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13	26154802	20.42	27.00	52.58	0.76	6783	33.93	66.07	0.95	8524	6.5	83	-
14	26154902	23.66	26.09	50.25	0.75	6490	34.18	65.82	0.98	8502	6.0	75	-



ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

ЭРДЭНЭС ТАВАНТОЛГОЙ
ETT

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Чингэлтэй дүүрэг,
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