ERDENES TAVANTOLGOI

БАЯЖУУЛСАН НҮҮРСНИЙ

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)
≤11.0%	≤10.5%	≤33.0%

НИЙТ ХҮХЭР (db)	БАРЬЦАЛДАХ ЧАНАР	НҮҮРСНИЙ ХЭМЖЭЭ
≤0.8%	≥85.0	12.8 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
25G115-TT, 25G131-TT, 25G152-TT, 25G171-TT, 25G191-TT,

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8, 1st khoroo, Chingeltei District, Ulaanbaatar, Mongolia
ATTN: Jambaljamts.G
PROJECT NO. xxx
LAB. JOB NO. 25G115-TT, 25G131-TT, 25G152-TT, 25G171-TT, 25G191-TT,
NO. SAMPLES: 10
Notes/Comments: xxx

SAMPLES RECEIVED: 7/9/2025 20:30
INSTRUCTIONS RECEIVED: 7/16/2025 20:30
DATE OF REPORT: 7/16/2025 0:25
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 7/16/2025 0:25
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1.3_COKING COAL, 2.1_THERMAL COAL; 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	CHPP-CC 2025.07.09_com-1	9.95	9.07	21.83	59.16	0.59	6967	0.65	10.00	24.09	65.26	0.65	7686
2	CHPP-CC 2025.07.09_com-2	9.51	10.67	25.07	54.75	0.55	6902	0.80	11.69	27.48	60.02	0.60	7566
3	CHPP-CC 2025.07.10_com	11.30	8.83	25.23	54.64	0.55	6823	0.81	9.87	28.21	61.10	0.62	7630
4	CHPP-TC 2025.07.10_com-1	2.77	21.45	18.67	57.11	0.84	6444	0.58	21.93	19.09	58.40	0.86	6589
5	CHPP-TC 2025.07.10_com-2	2.59	22.70	22.76	51.95	0.49	6354	0.61	23.16	23.22	53.01	0.50	6483
6	CHPP-CC 2025.07.12_com	6.71	11.03	26.58	55.68	0.54	7076	0.84	11.73	28.25	59.18	0.58	7521
7	CHPP-CC 2025.07.14_com	14.32	8.50	24.59	52.60	0.57	6601	0.84	9.83	28.46	60.87	0.66	7640
8	CHPP-TC 2025.07.14_com	3.08	21.55	23.38	51.99	0.53	6433	0.74	22.07	23.95	53.24	0.54	6589
9	CHPP-CC 2025.07.16_com	13.30	8.05	25.44	53.20	0.61	6697	1.35	9.16	28.95	60.54	0.70	7621
10	CHPP-TC 2025.07.16_com	4.26	19.83	22.62	53.29	0.71	6457	1.22	20.46	23.34	54.98	0.74	6663

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-41/25	ASH	VOL	GCV	TSUL
Certified Value	10.93	20.61	7691	0.680
Standard Deviation	0.049	0.076	12	0.007
Unit	%	%	kcal/kg	%
Analyzed value	10.92	20.65	7697	0.678

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CERTIFICATE OF ANALYSIS
25G115-TT, 25G131-TT, 25G152-TT, 25G171-TT, 25G191-TT,

CLIENT:	**Erdenes Tavantolgoi JSC**	**SAMPLES RECEIVED:**	09/Jul/25
		INSTRUCTIONS RECEIVED:	16/Jul/25
ADDRESS:	Finance Center, Jigjidjav-8 1st khoroo, Chingeltei District Ulaanbaatar, Mongolia	**DATE OF REPORT:**	16/Jul/25
		STATUS OF REPORT:	FINAL
		ANALYSIS COMPLETE:	16/Jul/25
		PREPARATION CODE:	CRUSH-01, 02; MILL-01
ATTN:	Jambaljamts.G	**ANALYSIS CODE:**	1.3_COKING COAL 2.1_THERMAL COAL TM, MOIS, ASH, VOL, TSUL, GCV, CSN, CKIN
PROJECT NO.	xxx		
LAB. JOB NO.	25G115-TT, 25G131-TT, 25G152-TT, 25G171-TT, 25G191-TT,		
NO. SAMPLES:	10		
Notes/Comments:	xxx		

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	CHPP-CC 2025.07.09_com-1	10.07	24.24	65.69	0.65	7736	26.96	73.04	0.73	8602	7.0	87	-
2	CHPP-CC 2025.07.09_com-2	11.79	27.70	60.51	0.61	7627	31.40	68.60	0.69	8646	7.0	92	-
3	CHPP-CC 2025.07.10_com	9.95	28.44	61.60	0.62	7693	31.59	68.41	0.69	8543	7.5	93	-
4	CHPP-TC 2025.07.10_com-1	22.06	19.20	58.74	0.86	6628	24.64	75.36	1.11	8503		30	-
5	CHPP-TC 2025.07.10_com-2	23.30	23.37	53.33	0.50	6523	30.47	69.53	0.65	8504		56	-
6	CHPP-CC 2025.07.12_com	11.83	28.49	59.68	0.58	7585	32.32	67.68	0.66	8603	8.5	93	-
7	CHPP-CC 2025.07.14_com	9.92	28.70	61.39	0.66	7704	31.86	68.14	0.73	8552	8.0	90	-
8	CHPP-TC 2025.07.14_com	22.23	24.13	53.64	0.55	6638	31.02	68.98	0.70	8536		62	-
9	CHPP-CC 2025.07.16_com	9.29	29.34	61.37	0.71	7725	32.35	67.65	0.78	8516	7.5	86	-
10	CHPP-TC 2025.07.16_com	20.71	23.63	55.66	0.75	6745	29.80	70.20	0.94	8507		23	-

ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

ЭРДЭНЭС ТАВАНТОЛГОЙ

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