



БАЯЖУУЛСАН НҮҮРСНИЙ ҮЗҮҮЛЭЛТ

№ ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)

≤10.0%

ҮНСЛЭГ (db)

≤10.5%

ДЭГДЭМХИЙ (daf)

≤28.0%

НИЙТ ХҮХЭР (db)

≤0.85%

БАРЬЦАЛДАХ
ЧАНАР

≥80.0

НҮҮРСНИЙ
ХЭМЖЭЭ

19.2

МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
Mongol National Building, 15nd Khoroо
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007667



CERTIFICATE OF ANALYSIS
MU25002495,25E274,E275,E295,E305,E321,E340,E353,F58,F73,F86,F102,F115,F154-TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
1st Khoroо, Chinggis Avenue
Ulaanbaatar, Mongolia
ATTN: Oyumbileg.B
PROJECT NO. xxx
LAB. JOB NO. MU25002495,25E274,E275,E295,E305,E321,E340,E353,F58,F73,F86,F102,F115,F154-TT
NO. SAMPLES: 14
Notes/Comments: xxx

SAMPLES RECEIVED: 23/05/2025 11/06/2025
INSTRUCTIONS RECEIVED: 23/05/2025 11/06/2025
DATE OF REPORT: 25/05/2025 12/06/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 25/05/2025 12/06/2025
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1.3, COKING COAL
TM, MOIS, ASH, VOL, TSUL,
GCY, CRN

APPROVED BY: Laboratory Manager



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

LAB NO.	SAMPLE NO.	STANDARD METHOD										AS RECEIVED BASIS										AIR DRIED BASIS									
		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	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCY)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCY)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCY)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCY)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCY)
1	CHPP-CC 2025.05.23_com	8.05	9.13	22.95	59.87	0.56	7089	0.77	9.85	24.77	64.61	0.61	7651	0.77	9.85	24.77	64.61	0.61	7651	0.77	9.85	24.77	64.61	0.61	7651	0.77	9.85	24.77	64.61	0.61	7651
2	CHPP-CC 2025.05.24_com	8.95	8.83	22.28	59.95	0.57	7078	0.88	9.61	24.25	65.26	0.62	7705	0.88	9.61	24.25	65.26	0.62	7705	0.88	9.61	24.25	65.26	0.62	7705	0.88	9.61	24.25	65.26	0.62	7705
3	CHPP-CC 2025.05.25_com	8.01	9.11	22.26	60.62	0.55	7080	0.84	9.82	23.99	65.35	0.60	7631	0.84	9.82	23.99	65.35	0.60	7631	0.84	9.82	23.99	65.35	0.60	7631	0.84	9.82	23.99	65.35	0.60	7631
4	CHPP-CC 2025.05.26_com	7.22	9.37	21.94	61.47	0.57	7158	0.65	10.03	23.49	65.83	0.61	7664	0.65	10.03	23.49	65.83	0.61	7664	0.65	10.03	23.49	65.83	0.61	7664	0.65	10.03	23.49	65.83	0.61	7664
5	CHPP-CC 2025.05.27_com	10.46	9.05	21.26	59.23	0.54	6951	0.63	10.04	23.60	65.73	0.60	7714	0.63	10.04	23.60	65.73	0.60	7714	0.63	10.04	23.60	65.73	0.60	7714	0.63	10.04	23.60	65.73	0.60	7714
6	CHPP-CC 2025.05.28_com	8.79	9.61	22.19	59.42	0.55	7028	0.69	10.86	24.16	64.69	0.60	7652	0.69	10.86	24.16	64.69	0.60	7652	0.69	10.86	24.16	64.69	0.60	7652	0.69	10.86	24.16	64.69	0.60	7652
7	CHPP-CC 2025.05.29_com	8.02	9.59	22.76	59.63	0.61	7085	0.72	10.35	24.56	64.36	0.66	7650	0.72	10.35	24.56	64.36	0.66	7650	0.72	10.35	24.56	64.36	0.66	7650	0.72	10.35	24.56	64.36	0.66	7650
8	CHPP-CC 2025.05.30_com	8.09	9.54	21.99	60.38	0.54	7077	0.81	10.29	23.73	65.16	0.59	7638	0.81	10.29	23.73	65.16	0.59	7638	0.81	10.29	23.73	65.16	0.59	7638	0.81	10.29	23.73	65.16	0.59	7638
9	CHPP-CC 2025.06.04_com	7.67	9.31	22.60	60.41	0.55	7192	0.67	10.02	24.31	64.99	0.59	7738	0.67	10.02	24.31	64.99	0.59	7738	0.67	10.02	24.31	64.99	0.59	7738	0.67	10.02	24.31	64.99	0.59	7738
10	CHPP-CC 2025.06.05_com	8.33	9.86	22.13	59.69	0.58	7058	0.75	10.67	23.96	64.62	0.63	7642	0.75	10.67	23.96	64.62	0.63	7642	0.75	10.67	23.96	64.62	0.63	7642	0.75	10.67	23.96	64.62	0.63	7642
11	CHPP-CC 2025.06.06_com	7.33	9.72	22.60	60.35	0.55	7165	0.70	10.42	24.21	64.67	0.59	7678	0.70	10.42	24.21	64.67	0.59	7678	0.70	10.42	24.21	64.67	0.59	7678	0.70	10.42	24.21	64.67	0.59	7678
12	CHPP-CC 2025.06.07_com	7.55	9.64	22.53	60.28	0.55	7134	0.73	10.35	24.19	64.73	0.59	7661	0.73	10.35	24.19	64.73	0.59	7661	0.73	10.35	24.19	64.73	0.59	7661	0.73	10.35	24.19	64.73	0.59	7661
13	CHPP-CC 2025.06.08_com	8.41	8.90	22.33	60.35	0.55	7133	0.69	9.65	24.22	65.44	0.60	7735	0.69	9.65	24.22	65.44	0.60	7735	0.69	9.65	24.22	65.44	0.60	7735	0.69	9.65	24.22	65.44	0.60	7735
14	CHPP-CC 2025.06.11_com	8.34	8.59	22.56	60.52	0.53	7162	0.60	9.31	24.46	65.63	0.57	7766	0.60	9.31	24.46	65.63	0.57	7766	0.60	9.31	24.46	65.63	0.57	7766	0.60	9.31	24.46	65.63	0.57	7766

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALWS-41/25	ASH	VOL	GCY	TSUL
Certified Value	10.93	20.63	7693	0.680
Standard Deviation	0.049	0.076	12	0.007
Unit	%	%	kcal/kg	%
Analyzed value	10.95	20.63	7688	0.679

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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CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidaev-8
1st khoroo, Chingeltei District
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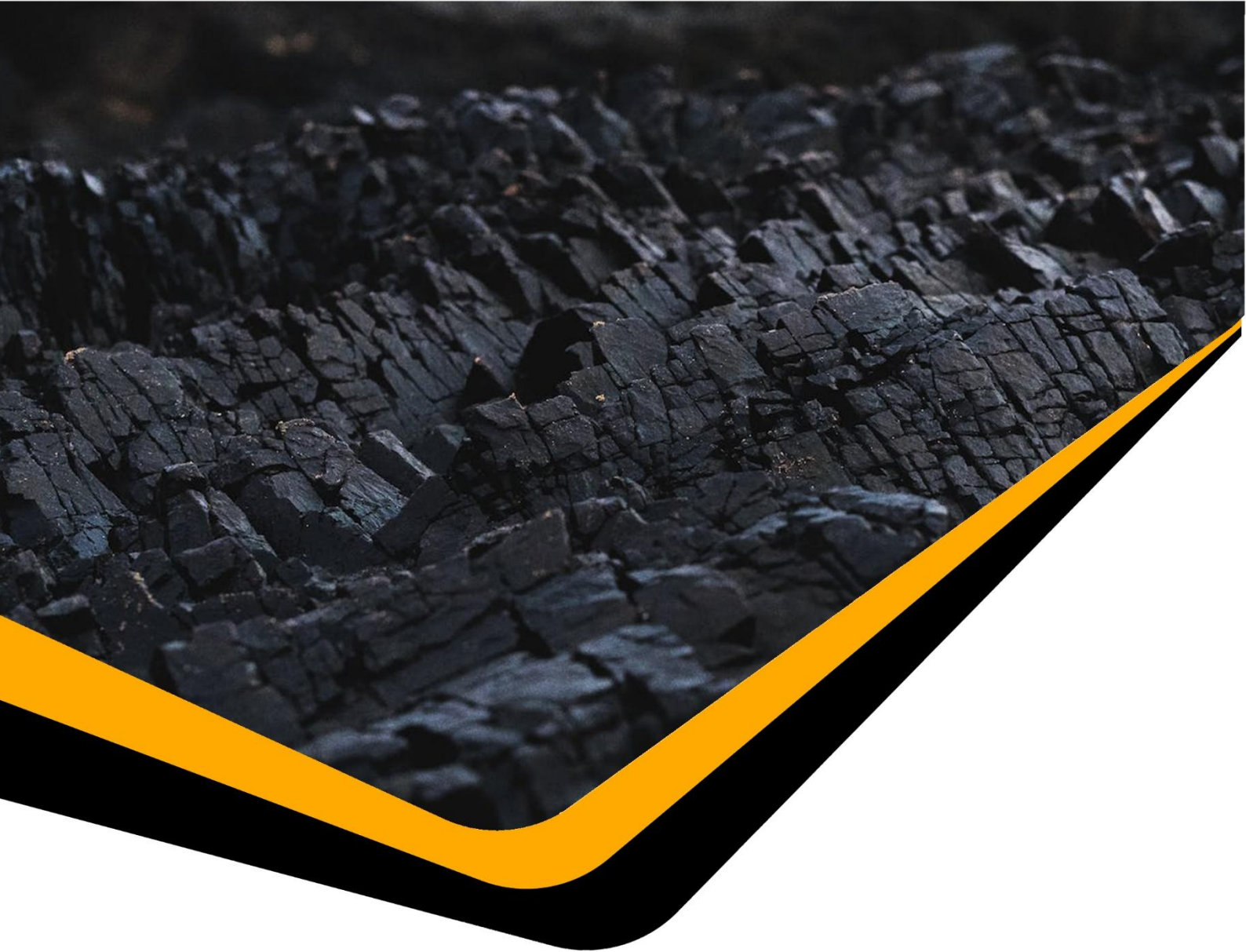
SAMPLES RECEIVED: 23/05/2025 11:04/2025
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TM, MOIS, ASH, VOL, TSUL,
GCV, CRIN

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		
LAB NO.	SAMPLE NO.	DRY BASIS											Crucible Swelling Number (CSN)	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				
1	CHPP-CC 2025.05.23_com	9.93	24.96	65.11	0.61	7710	27.71	72.29	0.68	8560	7.5	83	-	
2	CHPP-CC 2025.05.24_com	9.69	24.47	65.84	0.63	7773	27.10	72.90	0.69	8608	7.5	84	-	
3	CHPP-CC 2025.05.25_com	9.90	24.20	65.90	0.60	7696	26.86	73.14	0.67	8542	7.5	82	-	
4	CHPP-CC 2025.05.26_com	10.10	23.65	66.26	0.61	7714	26.30	73.70	0.68	8581	7.0	78	-	
5	CHPP-CC 2025.05.27_com	10.11	23.74	66.15	0.60	7763	26.41	73.59	0.67	8636	7.0	81	-	
6	CHPP-CC 2025.05.28_com	10.53	24.33	65.14	0.60	7705	27.19	72.81	0.67	8612	7.0	80	-	
7	CHPP-CC 2025.05.29_com	10.43	24.74	64.83	0.67	7706	27.62	72.38	0.74	8603	7.0	82	-	
8	CHPP-CC 2025.05.30_com	10.38	23.93	65.69	0.59	7701	26.70	73.30	0.66	8592	7.0	86	-	
9	CHPP-CC 2025.06.04_com	10.09	24.48	65.43	0.59	7790	27.23	72.77	0.66	8664	7.5	84	-	
10	CHPP-CC 2025.06.05_com	10.75	24.14	65.11	0.63	7699	27.05	72.95	0.71	8627	7.0	85	-	
11	CHPP-CC 2025.06.06_com	10.49	24.39	65.13	0.60	7733	27.24	72.76	0.67	8639	7.0	86	-	
12	CHPP-CC 2025.06.07_com	10.43	24.37	65.20	0.59	7717	27.21	72.79	0.66	8616	7.0	85	-	
13	CHPP-CC 2025.06.08_com	9.72	24.39	65.90	0.60	7789	27.01	72.99	0.67	8627	7.0	85	-	
14	CHPP-CC 2025.06.11_com	9.37	24.61	66.02	0.58	7813	27.15	72.85	0.63	8621	7.0	85	-	

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Page 2 of 2



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Финанс төв, 1-р хороо,
Чингэлтэй дүүрэг,
Улаанбаатар хот

