



БАЯЖУУЛСАН НҮҮРСНИЙ ҮЗҮҮЛЭЛТ

№ ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

<p>НИЙТ ЧИЙГ (ar)</p> <p>10.0%</p> <p>max</p>	<p>ҮНСЛЭГ (db)</p> <p>10.5%</p> <p>max</p>	<p>ДЭГДЭМХИЙ (daf)</p> <p>28.0%</p> <p>max</p>
<p>НИЙТ ХҮХЭР (db)</p> <p>0.8%</p> <p>max</p>	<p>БАРЬЦАЛДАХ ЧАНАР</p> <p>75.0</p> <p>min</p>	<p>НҮҮРСНИЙ ХЭМЖЭЭ</p> <p>38.4</p> <p>МЯН.ТН</p>

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

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



CERTIFICATE OF ANALYSIS
24J99-24J143-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. 24J99-24J143-TT
NO. SAMPLES: 18
Notes/Comments: xxx

SAMPLES RECEIVED: 10/10/2024 14/10/2024
INSTRUCTIONS RECEIVED: 10/10/2024 14/10/2024
DATE OF REPORT: 10/10/2024 14/10/2024
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/10/2024 14/10/2024
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1.1_COOKING COAL
1.2_COOKING COAL
2.1_THERMAL COAL
2.1_URGENT
TM, MOIS, ASH, VOL, TSA, GCV, CSM, OCV
APPROVED BY: Laboratory Manager
Quality Manager
CHECKED BY: Chief Chemist

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

LAB NO.	STANDARD METHOD	SAMPLE NO.	AS RECEIVED BASIS				AIR DRIED BASIS							
			GB/T 211	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	ISO 19579	GB/T 213
			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							
1	CHPP-CC 2024.10.10 14:00		11.13	9.37	20.41	59.09	0.52	6893	0.51	10.49	22.85	66.15	0.38	7717
2	CHPP-CC 2024.10.10 16:00		10.17	9.66	20.36	59.81	0.51	6935	0.61	10.69	22.52	66.18	0.57	7673
3	CHPP-CC 2024.10.10 18:00		11.59	9.61	19.71	59.09	0.52	6790	0.65	10.79	22.15	66.41	0.58	7631
4	CHPP-CC 2024.10.10 20:00		9.55	10.23	20.04	60.18	0.55	6997	0.67	11.23	22.01	66.10	0.61	7684
5	CHPP-CC 2024.10.11 12:00		14.46	7.59	19.68	58.28	0.48	6768	0.59	8.82	22.87	67.72	0.55	7865
6	CHPP-CC 2024.10.11 14:00		9.63	9.24	20.00	61.13	0.52	7009	0.55	10.17	22.01	67.28	0.57	7713
7	CHPP-CC 2024.10.11 16:00		14.08	8.59	18.86	58.48	0.51	6882	0.59	9.93	21.82	67.66	0.59	7731
8	CHPP-CC 2024.10.11 18:00		11.44	8.87	19.87	59.81	0.51	6875	0.53	9.96	22.32	67.18	0.57	7790
9	CHPP-CC 2024.10.11 20:00		16.38	7.81	18.63	57.17	0.48	6553	0.75	9.28	22.12	67.86	0.57	7655
10	CHPP-CC 2024.10.12 12:00		13.04	9.26	19.38	58.32	0.53	6699	0.63	10.59	22.14	66.64	0.60	7622
11	CHPP-CC 2024.10.12 16:00		12.21	9.72	19.40	58.68	0.52	6738	0.69	10.99	21.94	66.38	0.59	7622
12	CHPP-CC 2024.10.13 12:00		12.20	8.95	19.80	59.04	0.51	6861	0.67	10.13	22.41	66.80	0.58	7762
13	CHPP-CC 2024.10.13 14:00		10.29	9.27	19.92	60.53	0.56	6947	0.66	10.26	22.06	67.02	0.62	7693
14	CHPP-CC 2024.10.13 16:00		10.83	9.37	19.99	59.81	0.54	6889	0.55	10.45	22.30	66.71	0.60	7683
15	CHPP-CC 2024.10.13 20:00		9.83	9.32	20.37	60.48	0.54	6983	0.68	10.27	22.43	66.62	0.60	7692

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16	CHPP-CC 2024.10.14 12:00	16.71	8.51	18.82	55.96	0.45	6436	0.49	10.16	22.49	66.86	0.54	7690
17	CHPP-CC 2024.10.14 14:00	15.60	8.49	18.71	57.19	0.47	6529	0.59	10.00	22.04	67.36	0.55	7690
18	CHPP-CC 2024.10.14 16:00	19.35	7.68	19.34	53.63	0.43	6281	0.58	9.47	23.84	66.11	0.53	7744

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-40/23	ASH	VOL	GCV	TSUL
Certified Value	10.67	20.55	7696	0.620
Standard Deviation	0.056	0.137	24	0.0144
Unit	%	%	kcal/kg	%
Analyzed value	10.66	20.53	7704	0.621

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DATE OF REPORT: 10/10/2024 14/10/2024
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/10/2024 14/10/2024
PREPARATION CODE: CRUSH-01, G2; MILL-01
ANALYSIS CODE: 1.1. COKING COAL
1.3. COKING COAL
2.1. THERMAL COAL
3.1. URGENT
TM, MOK, ASH, VOL, TSUL, GCV,
CSN, CEN

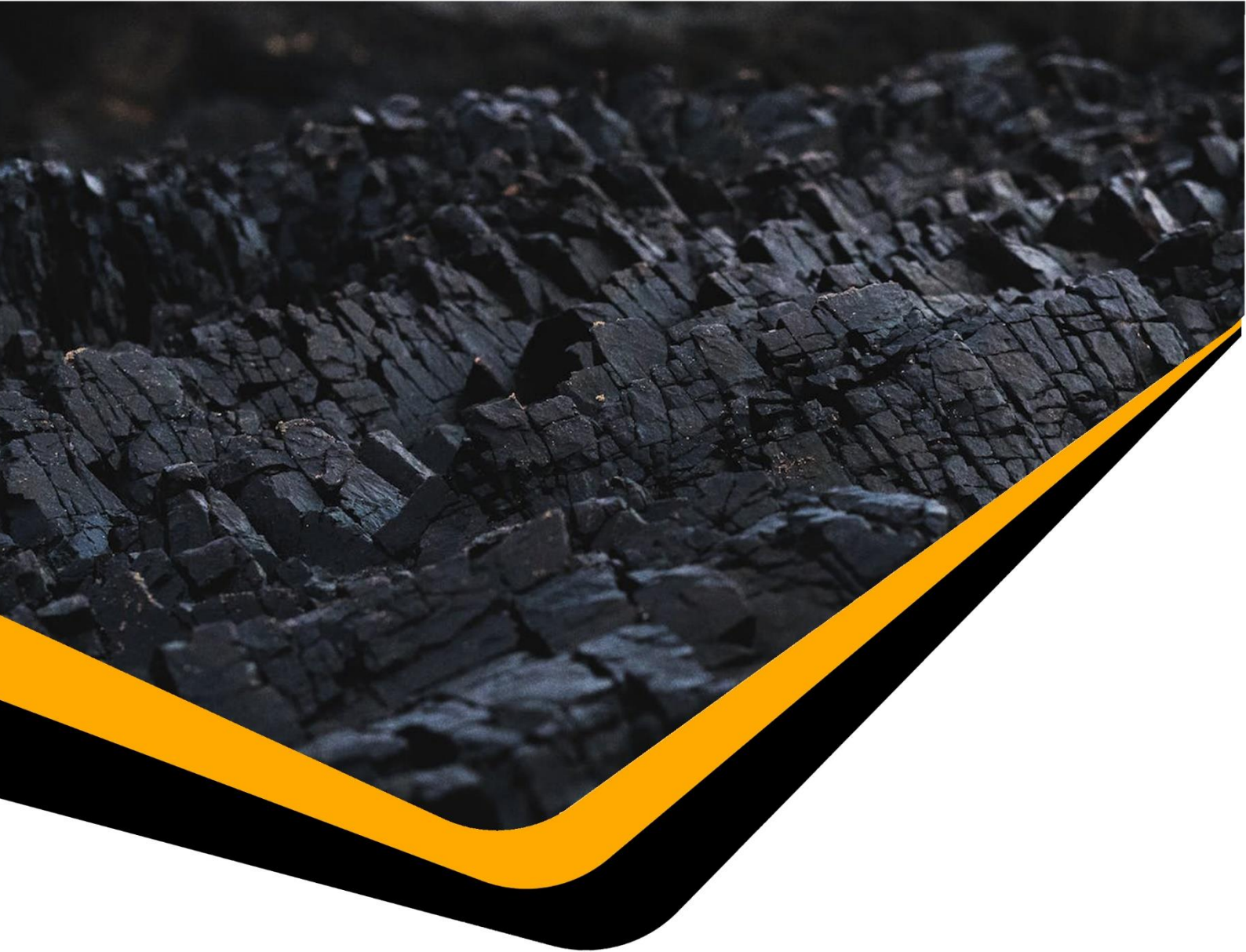
These are the results of a representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	GB/T 212		GB/T 212		ISO 19579		GB/T 213		GB/T 212		ISO 19579		GB/T 213		GB/T 5448		GB/T 5447				
		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		kcal/kg		5:1	3:3			
1	CHPP-CC 2024.10.10 14:00	10.54	22.97	66.49	0.59	7756	25.68	74.32	0.66	8670	7.0	82	-									
2	CHPP-CC 2024.10.10 16:00	10.75	22.66	66.58	0.57	7721	25.39	74.61	0.64	8651	6.5	79	-									
3	CHPP-CC 2024.10.10 18:00	10.86	22.30	66.84	0.58	7680	25.01	74.99	0.66	8617	6.5	79	-									
4	CHPP-CC 2024.10.10 20:00	11.31	22.16	66.54	0.61	7736	24.98	75.02	0.69	8722	6.5	77	-									
5	CHPP-CC 2024.10.11 12:00	8.87	23.01	68.12	0.56	7911	25.25	74.75	0.61	8681	7.0	86	-									
6	CHPP-CC 2024.10.11 14:00	10.22	22.13	67.65	0.57	7756	24.65	75.35	0.64	8639	6.5	81	-									
7	CHPP-CC 2024.10.11 16:00	9.99	21.95	68.06	0.59	7777	24.38	75.62	0.66	8640	6.5	82	-									
8	CHPP-CC 2024.10.11 18:00	10.01	22.44	67.54	0.57	7786	24.94	75.06	0.64	8653	7.0	82	-									
9	CHPP-CC 2024.10.11 20:00	9.35	22.28	68.37	0.57	7849	24.58	75.42	0.63	8658	7.0	83	-									
10	CHPP-CC 2024.10.12 12:00	10.65	22.28	67.06	0.61	7704	24.94	75.06	0.68	8622	6.5	80	-									
11	CHPP-CC 2024.10.12 16:00	11.07	22.09	66.84	0.59	7675	24.84	75.16	0.67	8630	6.5	78	-									
12	CHPP-CC 2024.10.13 12:00	10.19	22.56	67.25	0.58	7814	25.12	74.88	0.65	8701	7.0	81	-									
13	CHPP-CC 2024.10.13 14:00	10.33	22.20	67.46	0.62	7743	24.76	75.24	0.70	8636	7.0	78	-									
14	CHPP-CC 2024.10.13 16:00	10.50	22.42	67.07	0.60	7725	25.06	74.94	0.68	8632	7.0	78	-									
15	CHPP-CC 2024.10.13 20:00	10.34	22.58	67.08	0.60	7744	25.19	74.81	0.67	8638	6.5	80	-									

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16	CHPP-CC 2024.10.14 12:00	10.21	22.60	67.19	0.54	7728	25.17	74.83	0.61	8607	7.0	78	-
17	CHPP-CC 2024.10.14 14:00	10.06	22.17	67.77	0.56	7736	24.65	75.35	0.62	8602	7.0	78	-
18	CHPP-CC 2024.10.14 16:00	9.53	23.98	66.49	0.53	7789	26.50	73.50	0.59	8609	7.0	82	-

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Чингэлтэй дүүрэг,
Улаанбаатар хот

