
WASHED COAL QUALITY SPECIFICATION

Nº ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL
MOISTURE (ar)

10.0%

max

ASH (db)

10.5%

max

VOLATILE
MATTER (daf)

28.0%

max

TOTAL SULPHUR (db)

0.8%

max

G INDEX

75.0

min

QUANTITY

32.0

THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC

Mongol National Building, 19th khoroо

Chinggis Avenue, Khara-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, Chingeltei District
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, COOKING COAL

TM, MOIS, ASH, VOL, TSUL, GCV, CWIN

APPROVED BY: Laboratory Manager

ИТЭМЖЛЭГДСЭН
ЛАБОРАТОРИ
ТЛ 10-01

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
LAB NO.	SAMPLE NO.	AS RECEIVED BASIS						AIR DRIED BASIS					
		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	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
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
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
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	7644
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
6	CHPP-CC 2025.05.28.com	8.79	9.61	22.19	59.42	0.55	7028	0.69	10.46	24.16	64.69	0.60	7652
7	CHPP-CC 2025.05.29.com	8.02	9.59	22.76	59.63	0.61	7088	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
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
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
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
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
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
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

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSW5-41/25	ASH	VOL	GCV	TSUL
Certified Value	10.93	29.61	7691	0.689
Standard Deviation	0.049	0.076	12	0.007
Unit	%	%	kcal/kg	%
Analyzed value	10.95	20.63	7688	0.679

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



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

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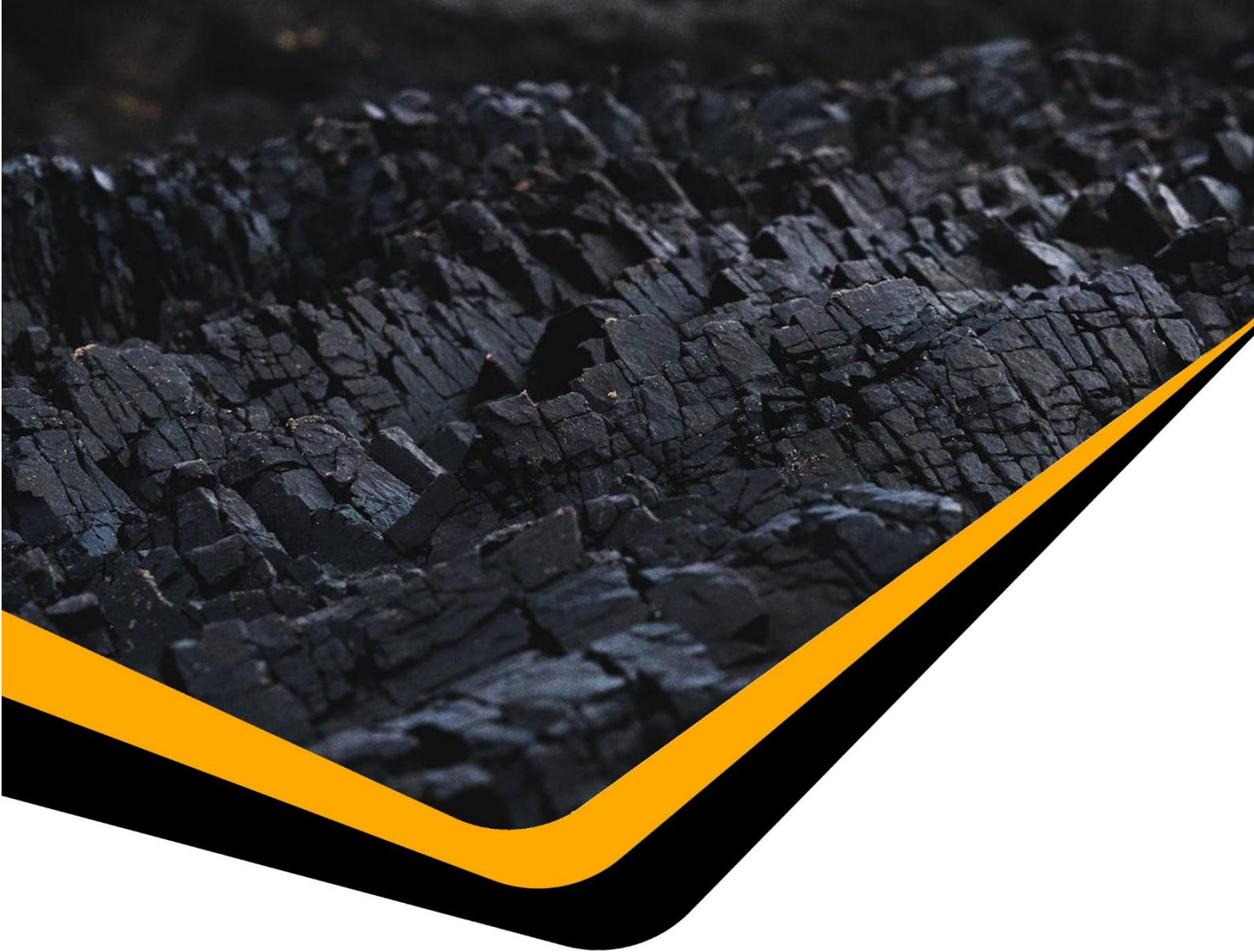
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PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1.3, COKING COAL
TM, MOIS, ASH, VOL, TSUL,
GCV, CWIN

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				DRY, ASH-FREE BASIS						
		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 2025.05.23_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 -

This is the Final Report and supersede 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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ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



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

