
WASHED COAL QUALITY SPECIFICATION

Nº ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL
MOISTURE (ar)**≤11.0%**

ASH (db)

≤10.5%VOLATILE
MATTER (daf)**≤33.0%**

TOTAL SULPHUR (db)

≤0.8%

G INDEX

≥85.0

QUANTITY

12.8

THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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, Jigjiddjav-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
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 2025.07.09_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

STDALSW-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

ALS GROUP LLC

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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. XXXX

LAB. JOB NO. 25G115-TT, 25G131-TT, 25G152-TT, 25G171-TT, 25G191-TT,

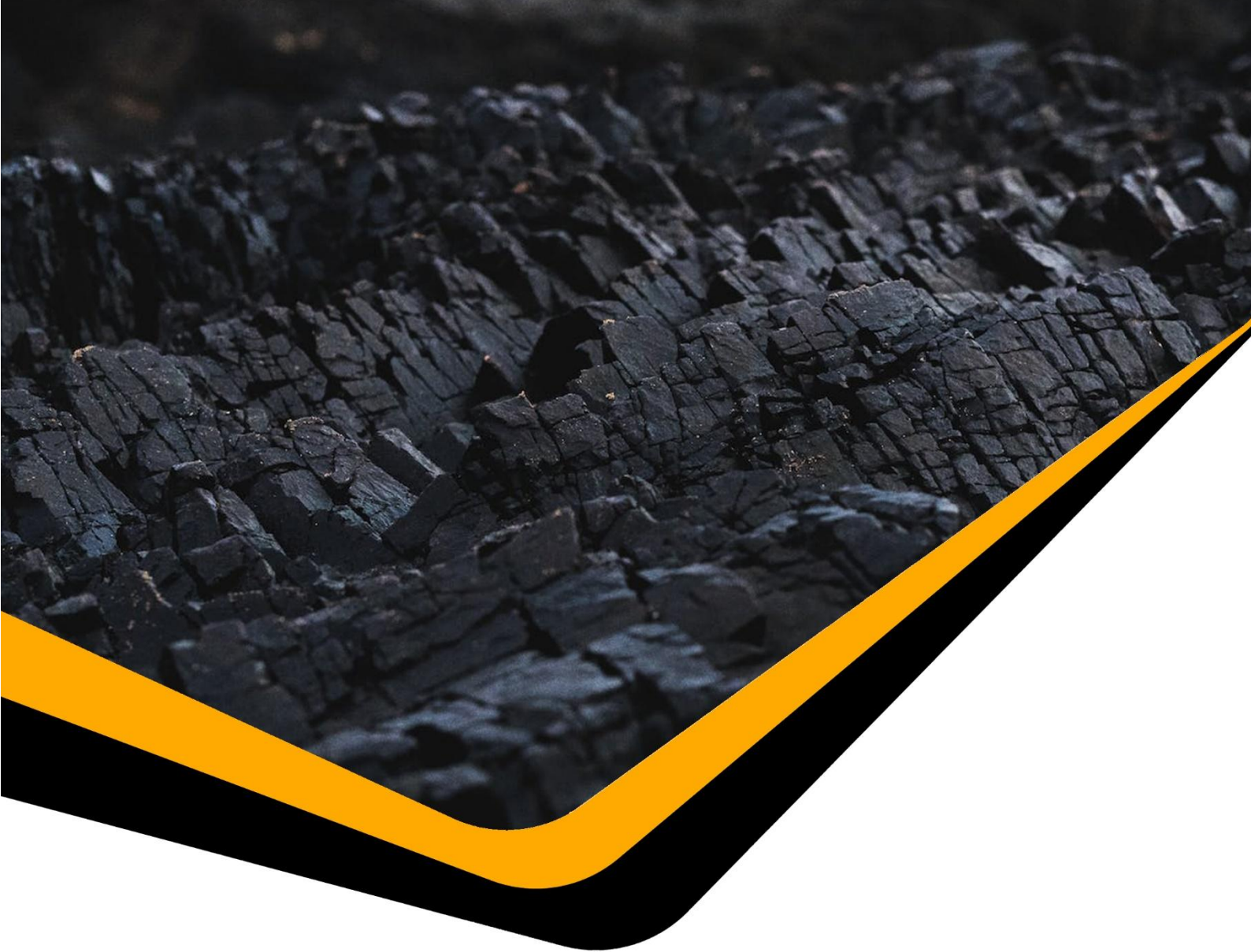
NO. SAMPLES: 10

Notes/Comments: XXXX

SAMPLES RECEIVED: 09/Jul/25
INSTRUCTIONS RECEIVED: 16/Jul/25
DATE OF REPORT: 16/Jul/25
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 16/Jul/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

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					Crucible Swelling Number (CSN)	
		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		
												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



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