
WASHED COAL QUALITY SPECIFICATION

Nº ETT_SP_ MASHCC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL
MOISTURE (ar)

≤9.0%

ASH (db)

≤22.0%

VOLATILE
MATTER (daf)

≤37.0%

TOTAL
SULPHUR (db)

≤1.0%

Calorific value
CV (ar)

≥6000.0

QUANTITY

32.0

THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC
Mongol National Building, 19rd Khoro
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007667



CERTIFICATE OF ANALYSIS
25G85,G131,G171,G191,G233,G258,G403,H21-TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigijidjav-8
1st khoro, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Jambajants.G
PROJECT NO. xxx
LAB. JOB NO. 25G85,G131,G171,G191,G233,G258,G403,H21-TT
NO. SAMPLES: 10
Notes/Comments: xxx

SAMPLES RECEIVED: 7/07/2025 1/08/2025
INSTRUCTIONS RECEIVED: 7/07/2025 1/08/2025
DATE OF REPORT: 8/07/2025 2/08/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 8/07/2025 2/08/2025
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 2.1_THERMAL COAL
TM, MCIS, ASH, VOL, TSUL, GCV,
CSN, CASH

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	ISO 19579	GB/T 213	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 (GCV)	Moisture (MOIS)	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)	Moisture (MOIS)	Ash (ASH)
				%	%	%	kcal/kg			%	%	%	kcal/kg			%	%	%	kcal/kg		
1	CHPP-TC 2025.07.07_com	2.94	21.05	18.82	57.20	0.92	6513	0.51	21.57	19.28	58.53	0.94	6676								
2	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								
3	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								
4	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								
5	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								
6	CHPP-TC 2025.07.19_com	4.07	21.53	22.07	52.33	0.73	6260	1.06	22.21	22.76	53.97	0.75	6456								
7	CHPP-TC 2025.07.21_com	2.99	23.04	22.02	51.95	0.63	6253	0.76	23.57	22.53	53.14	0.64	6396								
8	CHPP-TC 2025.07.23_com	3.19	22.38	22.17	52.26	0.61	6384	0.83	22.93	22.71	53.53	0.63	6540								
9	CHPP-TC 2025.07.31_com	2.76	20.71	18.70	57.83	0.90	6529	0.63	21.16	19.11	59.09	0.92	6672								
10	CHPP-TC 2025.08.01_com	2.41	21.82	19.36	56.42	0.86	6488	0.70	22.20	19.69	57.41	0.88	6602								

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	10.93	20.60	7684	0.684

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.
COPY RIGHT PROTECTED DOCUMENT

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



CERTIFICATE OF ANALYSIS
25G85,G131,G171,G191,G233,G258,G403,H21-TT

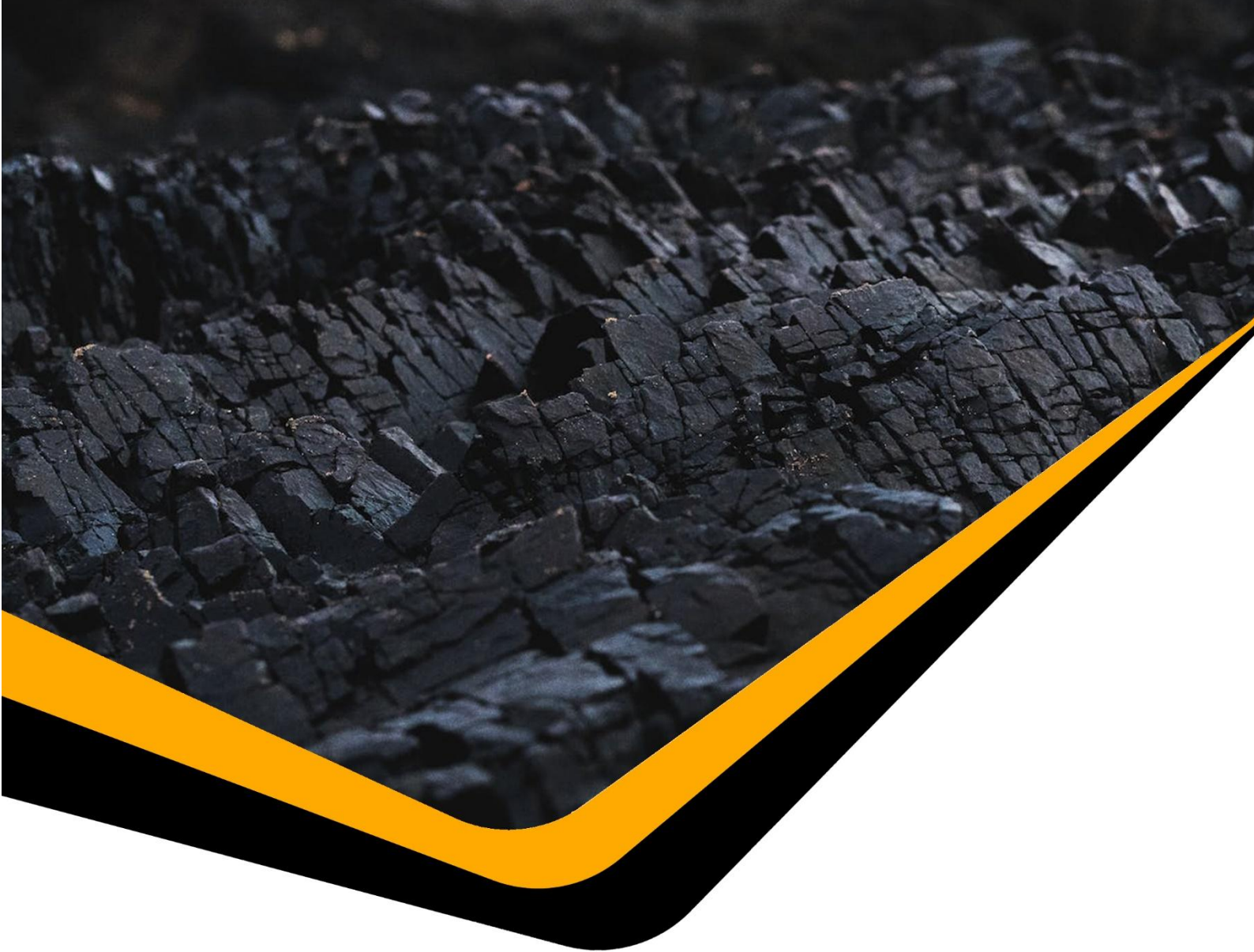
CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Jambajamts.G
PROJECT NO. xxx
LAB. JOB NO. 25G85,G131,G171,G191,G233,G258,G403,H21-TT
NO. SAMPLES: 10
Notes/Comments: xxx

SAMPLES RECEIVED: 7/07/2025 1/08/2025
INSTRUCTIONS RECEIVED: 7/07/2025 1/08/2025
DATE OF REPORT: 8/07/2025 2/08/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 8/07/2025 2/08/2025
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 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 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)	Coal Caking Index (CKIN)		
		%					%					5:1	3:3
		kcal/kg					kcal/kg						
1	CHPP-TC 2025.07.07_com	21.69	19.38	58.93	0.95	6710	24.75	75.25	1.21	8568	25	-	
2	CHPP-TC 2025.07.10_com-1	22.06	19.20	58.74	0.86	6628	24.64	75.36	1.11	8503	30	-	
3	CHPP-TC 2025.07.10_com-2	23.30	23.37	53.33	0.50	6523	30.47	69.53	0.65	8504	56	-	
4	CHPP-TC 2025.07.14_com	22.23	24.13	53.64	0.55	6638	31.02	68.98	0.70	8536	62	-	
5	CHPP-TC 2025.07.16_com	20.71	23.63	55.66	0.75	6745	29.80	70.20	0.94	8507	23	-	
6	CHPP-TC 2025.07.19_com	22.44	23.01	54.55	0.76	6525	29.66	70.34	0.98	8413	-	16	
7	CHPP-TC 2025.07.21_com	23.75	22.70	53.55	0.65	6445	29.77	70.23	0.85	8453	23	-	
8	CHPP-TC 2025.07.23_com	23.12	22.90	53.98	0.63	6595	29.78	70.22	0.83	8577	31	-	
9	CHPP-TC 2025.07.31_com	21.29	19.24	59.47	0.92	6715	24.44	75.56	1.17	8532	26	-	
10	CHPP-TC 2025.08.01_com	22.35	19.83	57.81	0.89	6648	25.54	74.46	1.14	8562	26	-	

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.
COPY RIGHT PROTECTED DOCUMENT



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



www.ett.mn



75055555
1800-1072



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

