
COAL QUALITY SPECIFICATION

Nº ETT_SP_TC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

Total moisture
TM (ar)
5.0%
(-1.0; +3.0)

Total sulphur S
(db)
1.0%
(-0.3; +0.5)

Volatile matter
VM (daf)
34.0%
(max)

Calorific value
CV (ar)
5500
(-500; +500)

Ash (db)
25.0%
(-5.0; +3.0)

G Index
≤5.0

QUANTITY
32.0
Thousand tons

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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



CERTIFICATE OF ANALYSIS
25A198,A220-TT

CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Erikhembayar, M
PROJECT NO. xxx
LAB. JOB NO. 25A198,A220-TT
NO. SAMPLES: 4
Notes/Comments: xxx

SAMPLES RECEIVED: 19/01/2025 21/01/2025
INSTRUCTIONS RECEIVED: 19/01/2025 21/01/2025
DATE OF REPORT: 20/01/2025 22/01/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 20/01/2025 22/01/2025
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 2.1 THERMAL COAL
TM, MOIS, ASH, VOL, TSUL
APPROVED BY: Laboratory Manager
Quality Manager

CHECKED BY: Chief Chemist

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

STANDARD METHOD		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	ISO 19579	GB/T 213
		AS RECEIVED BASIS										
LAB NO.	SAMPLE NO.	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)
				%			kcal/kg			%		
												kcal/kg
1	2511519	7.21	15.13	23.13	54.53	0.69	6126	1.87	16.00	24.46	57.67	0.73
2	2511619	9.57	16.41	22.10	51.92	0.54	5663	2.48	17.70	23.83	55.99	0.58
3	2513121	8.77	17.52	23.58	50.13	0.59	5883	2.53	18.71	25.20	53.56	0.63
4	2513221	12.63	16.70	22.59	48.08	0.47	5473	4.53	18.25	24.68	52.53	0.51

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSW5-40/23	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	10.65	20.63	7694	0.623

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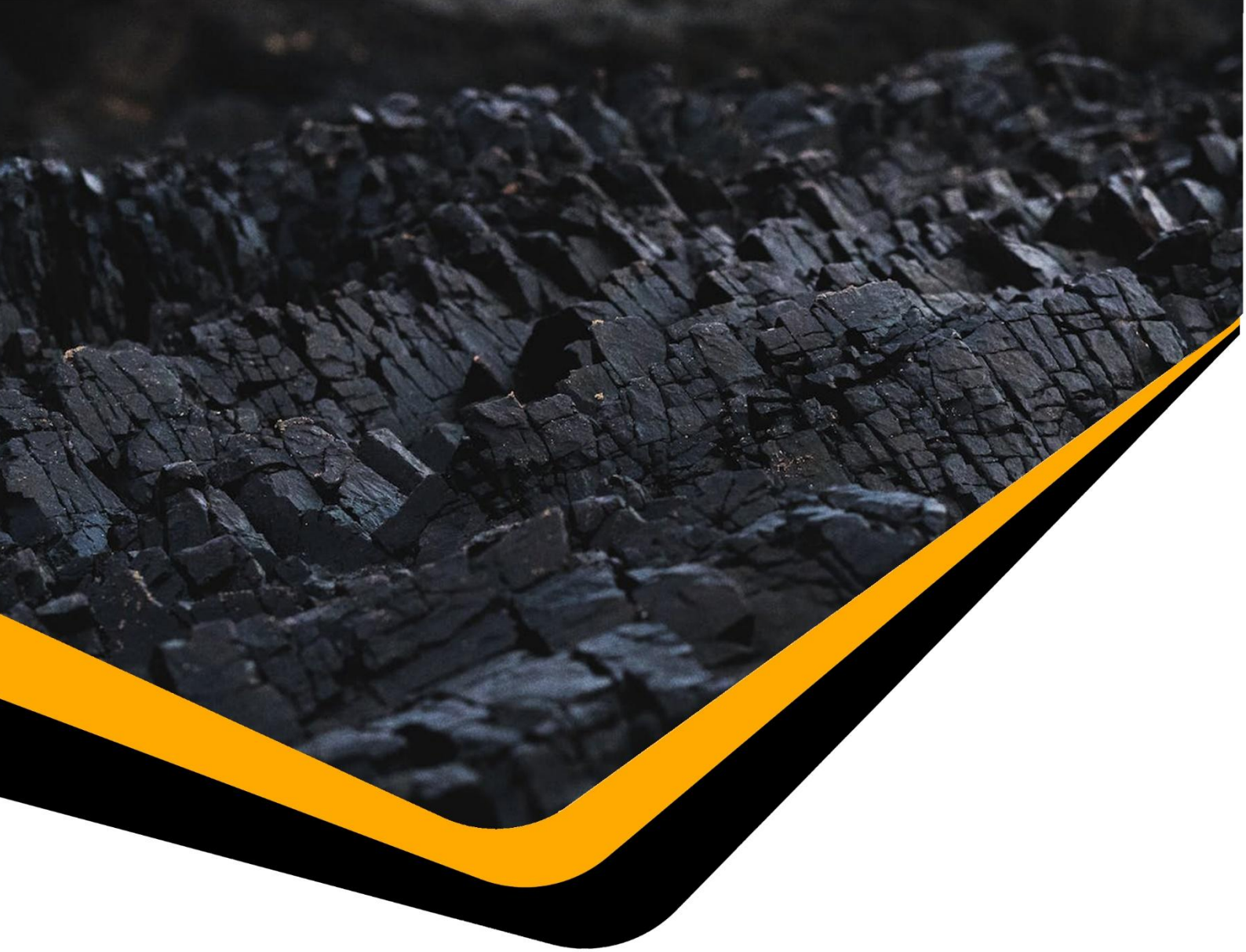
CLIENT: Erdenes Tavantolgoi JSC
ADDRESS: Finance Center, Jigjidaev-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Erkhembayar. M
PROJECT NO. xxx
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PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 2.1_THERMAL COAL
TM, MOIS, ASH, VOL, TSUL,
GCV, 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		
LAB NO.	SAMPLE NO.	DRY BASIS					DRY, ASH-FREE BASIS				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	5:1	3:3
1	2511519	16.31	24.93	58.77	0.75	6603	29.78	70.22	0.89	7889	-	0	
2	2511619	18.15	24.44	57.41	0.60	6262	29.86	70.14	0.73	7651	-	0	
3	2513121	19.20	25.85	54.95	0.65	6448	31.99	68.01	0.80	7981	-	12	
4	2513221	19.12	25.86	55.03	0.54	6263	31.97	68.03	0.66	7744	-	4	

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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ISO 9001:2015



ISO 14001:2015



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Чингэлтэй дүүрэг,
Улаанбаатар хот

