
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
25C96,C129,C231,C235,C286,D32,D99-TT

CLIENT: Erdenes Tavantolgoi JSC

ADDRESS: Finance Center, Jigijidjav-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia

ATTN: Javzandulam.B

PROJECT NO. xxx

LAB. JOB NO. 25C96,C129,C231,C235,C286,D32,D99-TT

NO. SAMPLES: 12

Notes/Comments: xxx

SAMPLES RECEIVED: 9/03/2025 09/04/2025
INSTRUCTIONS RECEIVED: 9/03/2025 09/04/2025
DATE OF REPORT: 10/03/2025 10/04/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/03/2025 10/04/2025
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.

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	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)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)		
				%			kcal/kg			%			kcal/kg				
1	2563809	3.17	22.93	17.05	56.85	0.87	6209	0.59	23.54	17.50	58.37	0.89	6375				
2	2563909	3.18	18.90	17.54	60.38	1.30	6577	0.43	19.43	18.04	62.10	1.34	6764				
3	2567013	6.08	22.35	17.01	54.56	0.89	5890	1.11	23.54	17.91	57.44	0.94	6201				
4	2567113	4.60	20.88	17.06	57.46	1.20	6256	0.65	21.74	17.77	59.84	1.25	6515				
5	2574922	3.00	19.12	17.56	60.32	1.00	6527	0.54	19.60	18.00	61.85	1.03	6493				
6	2575223	5.12	21.04	15.58	58.26	1.53	6158	0.76	22.01	16.29	60.94	1.60	6441				
7	2579029	5.04	18.70	17.67	58.59	1.01	6420	0.73	19.55	18.47	61.26	1.05	6712				
8	2579129	6.17	21.91	16.44	55.48	0.84	5997	1.00	23.12	17.35	58.53	0.89	6328				
9	2584003	4.22	22.25	17.12	56.40	1.04	6056	0.83	23.04	17.92	58.40	1.08	6270				
10	2584103	3.82	24.97	17.30	53.91	0.78	5935	0.46	25.85	17.70	55.79	0.81	6142				
11	2588809	5.30	20.86	17.16	56.69	0.74	6094	0.97	21.81	17.94	59.28	0.77	6373				
12	2588909	5.09	21.26	16.66	56.99	0.58	6095	1.07	22.16	17.37	59.41	0.61	6354				

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-40/23	ASH	VOL	GCV	TSUL
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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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ALS GROUP LLC
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CERTIFICATE OF ANALYSIS
25C96,C129,C231,C235,C286,D32,D99-TT

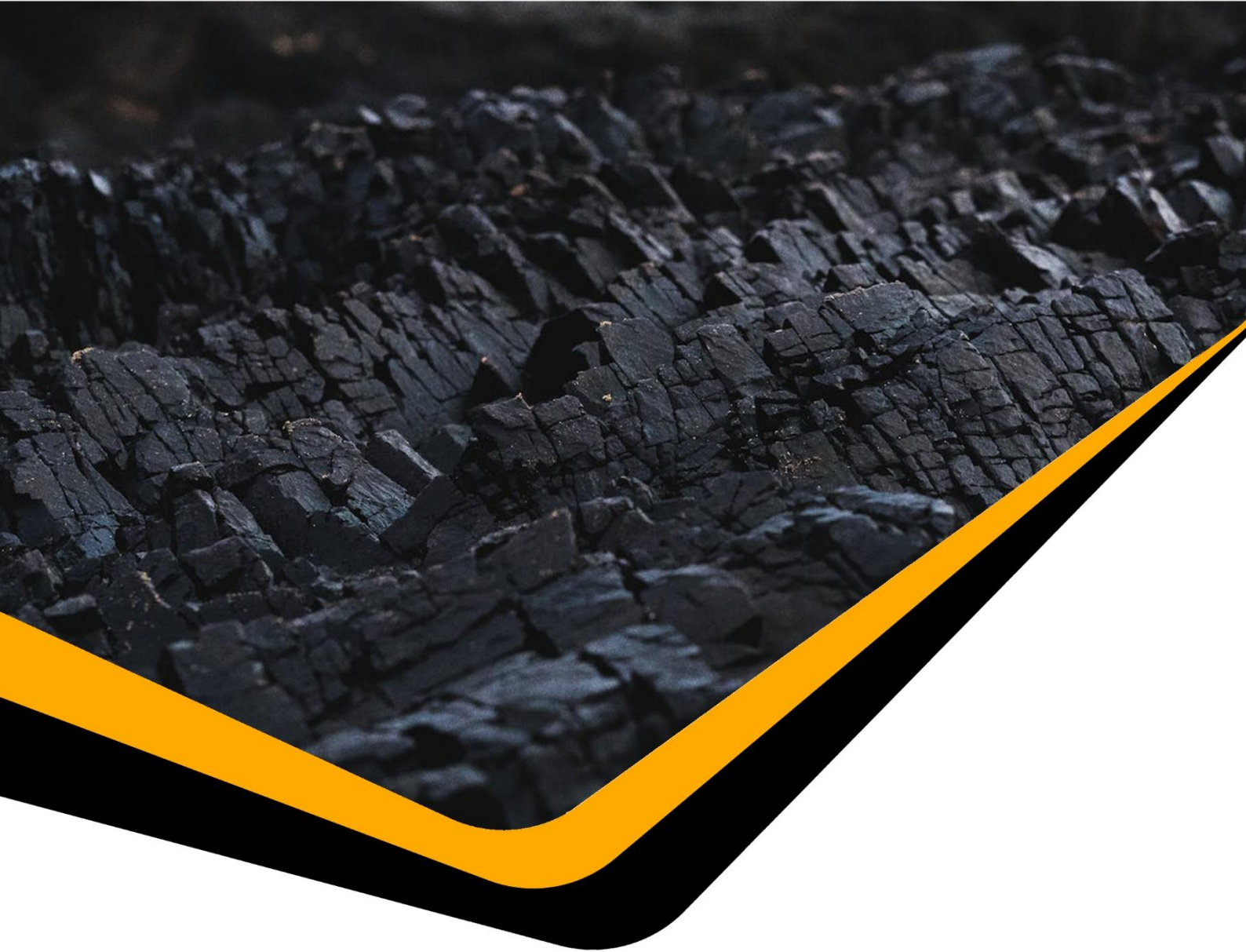
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ATTN: Javzandulam.B
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ANALYSIS CODE: 2.1_THERMAL COAL
TM, MOIS, ASH, VOL, TSUL,
GCV, CKIN

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		ISO 19579		GB/T 213		GB/T 5447	
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)	
		%		%		%		%		%		%		%		%		%	
		kcal/kg		kcal/kg		kcal/kg		kcal/kg		kcal/kg		kcal/kg		kcal/kg		kcal/kg		kcal/kg	
1	2563809	23.68	17.60	58.72	0.90	6413	23.07	76.93	1.18	8403	5:1	15							
2	2563909	19.52	18.12	62.37	1.34	6794	22.51	77.49	1.67	8441	-	15							
3	2567013	23.80	18.11	58.09	0.95	6271	23.77	76.23	1.25	8230	-	10							
4	2567113	21.88	17.88	60.23	1.26	6558	22.89	77.11	1.61	8395	-	15							
5	2574922	19.71	18.10	62.19	1.03	6729	22.55	77.45	1.29	8381	-	13							
6	2575223	22.18	16.42	61.40	1.61	6490	21.10	78.90	2.07	8340	-	11							
7	2579029	19.69	18.60	61.71	1.06	6761	23.17	76.83	1.32	8419	-	15							
8	2579129	23.35	17.52	59.13	0.90	6392	22.86	77.14	1.17	8339	-	12							
9	2584003	23.23	17.87	58.89	1.08	6323	23.28	76.72	1.41	8237	-	2							
10	2584103	25.96	17.99	56.05	0.81	6170	24.29	75.71	1.09	8334	-	15							
11	2588809	22.02	18.12	59.86	0.78	6435	23.24	76.76	1.00	8252	-	5							
12	2588909	22.40	17.55	60.05	0.62	6422	22.62	77.38	0.79	8276	-	10							

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ISO 45001:2018



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ISO 14001:2015



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Чингэлтэй дүүрэг,
Улаанбаатар хот

