ERDENES TAVANTOLGOI

COAL QUALITY SPECIFICATION

№ ETT_SP_SSC

ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

COAL STOCKPILES QUALITY (weighted average)

TOTAL MOISTURE (ar)	ASH (db)	VOLATILE MATTER (daf)
≤5.0%	≤9.0%	≤37%
SULPHUR (db)	**G INDEX (5:1)**	**QUANTITY**
≤1.0%	≥75.0	128.0 THOUSAND TONNES

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC
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CERTIFICATE OF ANALYSIS
25G21, G28, G166, G178, G252, G254, G345, H213, H218, H320, H424-TT

CLIENT: Erdenes Tavan Tolgoi JSC

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

ATTN: Javzandulam.B

PROJECT NO. xxx

LAB. JOB NO. 25G21, G28, G166, G178, G252, G254, G345, H213, H218, H320, H424-TT

NO. SAMPLES: 16

Notes/Comments: xxx

SAMPLES RECEIVED: 2/07/2025 24/08/2025
INSTRUCTIONS RECEIVED: 2/07/2025 24/08/2025
DATE OF REPORT: 3/07/2025 25/08/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 3/07/2025 25/08/2025
PREPARATION CODE: CSPSC, CSPC, CSPG
ANALYSIS CODE: 1.2_COKING COAL
TM, MOIS, ASH, VOL, TSUL, CSN, CKIN

APPROVED BY: Laboratory Manager
B.Gal 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 212	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	ISO 19579	GB/T 5448	GB/T 5447	
		AS RECEIVED BASIS					AIR DRIED BASIS					DRY BASIS				DRY, ASH-FREE BASIS					
LAB NO.	SAMPLE NO.	Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)	
		%																		5:1	3:3
1	25173202	1.96	6.60	33.34	58.10	0.61	1.21	6.65	33.59	58.55	0.62	6.73	34.00	59.26	0.63	36.46	63.54	0.67	7.5	85	-
2	25173302	2.32	8.36	33.49	55.83	0.64	1.06	8.47	33.92	56.55	0.65	8.56	34.29	57.16	0.65	37.49	62.51	0.71	7.5	85	-
3	25173703	2.68	6.90	33.62	56.80	0.61	1.16	7.00	34.14	57.69	0.62	7.09	34.55	58.37	0.63	37.18	62.82	0.68	7.5	87	-
4	25181513	3.29	6.50	32.77	57.43	0.63	1.66	6.61	33.33	58.40	0.64	6.73	33.89	59.38	0.65	36.33	63.67	0.70	6.5	82	-
5	25182915	3.57	8.25	32.23	55.96	0.49	1.30	8.44	32.99	57.28	0.50	8.55	33.42	58.03	0.51	36.54	63.46	0.55	6.5	77	-
6	25183015	3.49	7.06	33.34	56.10	0.59	1.25	7.23	34.12	57.41	0.60	7.32	34.55	58.13	0.61	37.28	62.72	0.66	6.5	83	-
7	25188821	5.00	7.52	31.98	55.49	0.55	1.30	7.82	33.23	57.66	0.57	7.92	33.67	58.41	0.58	36.56	63.44	0.63	6.5	79	-
8	25188921	4.00	7.28	32.59	56.13	0.55	1.13	7.50	33.56	57.81	0.57	7.58	33.95	58.47	0.57	36.73	63.27	0.62	7.0	83	-
9	25189021	4.18	6.09	32.86	56.87	0.49	1.28	6.27	33.85	58.60	0.51	6.35	34.29	59.36	0.51	36.62	63.38	0.55	7.0	85	-
10	25200227	1.76	5.94	33.73	58.57	0.63	1.08	5.98	33.97	58.98	0.63	6.04	34.34	59.62	0.64	36.55	63.45	0.68	6.5	79	-
11	25200327	1.85	6.36	33.57	58.22	0.68	1.23	6.40	33.79	58.59	0.69	6.48	34.21	59.31	0.70	36.58	63.42	0.75	6.5	77	-
12	25200427	2.33	7.44	32.76	57.47	0.59	1.25	7.52	33.12	58.11	0.59	7.62	33.54	58.84	0.60	36.31	63.69	0.65	6.5	77	-
13	25215713	6.79	8.26	29.49	55.46	0.50	1.41	8.73	31.19	58.67	0.53	8.86	31.64	59.50	0.54	34.71	65.29	0.59	6.0	67	-
14	25216213	4.90	7.72	31.98	55.44	0.78	1.42	8.00	33.11	57.48	0.81	8.12	33.58	58.30	0.82	36.55	63.45	0.89	6.5	79	-
15	25222319	5.04	8.14	32.47	54.35	0.69	1.34	8.46	33.73	56.47	0.71	8.57	34.19	57.24	0.72	37.40	62.60	0.79	6.0	71	-
16	25228424	3.89	7.34	33.20	55.57	0.67	1.42	7.53	34.06	57.00	0.68	7.63	34.55	57.82	0.69	37.40	62.60	0.75	6.5	80	-

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-41/25	ASH	VOL	TSUL
Certified Value	10.93	20.61	0.680
Standard Deviation	0.049	0.076	0.007
Unit	%	%	%
Analyzed value	10.91	20.57	0.681

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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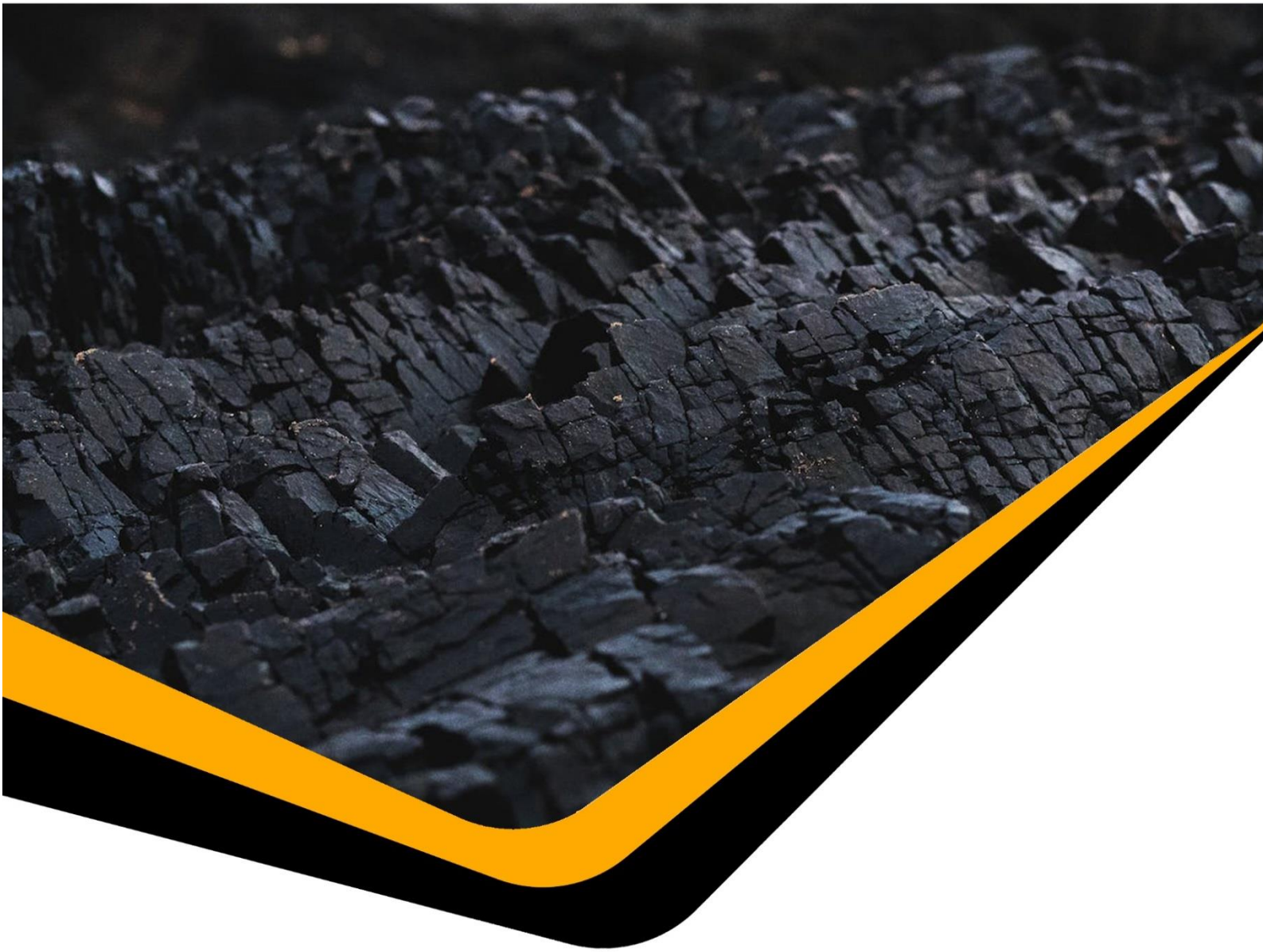

ISO 45001:2018

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