
COAL QUALITY SPECIFICATION

Nº ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL
MOISTURE (ar)

5.0%

-2.0; +3.0

ASH (db)

26.0%

-3.0; +3.0

VOLATILE
MATTER (daf)

>28-37.0%

TOTAL SULPHUR
(db)

1.0%

-0.3; +0.5

G INDEX

>65.0

QUANTITY

32.0

THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC
Mongol National Building, 2nd floor
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel: +976 70 507967



CERTIFICATE OF ANALYSIS
24056-26E45-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidaev 8
1st khoroо, Chingelhel District
Ulaanbaatar, Mongolia
ATTN: Manishou.G
PROJECT NO.: XXX
LAB. JOB NO.: 24056-26E45-TT
NO. SAMPLES: 32
Notes/Comments: XXX

SAMPLES RECEIVED: 5/07/2024 19:01/2025
INSTRUCTIONS RECEIVED: 5/07/2024 19:01/2025
DATE OF REPORT: 6/07/2024 20:01/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 6/07/2024 20:01/2025
PREPARATION CODE: CSPSC, CSPC, CSPG
ANALYSIS CODE: 1.2, COOKING COAL
TM, MOIS, ASH, VOL.

APPROVED BY: [Signature]
Quality Manager

CHECKED BY: Chief Chemist

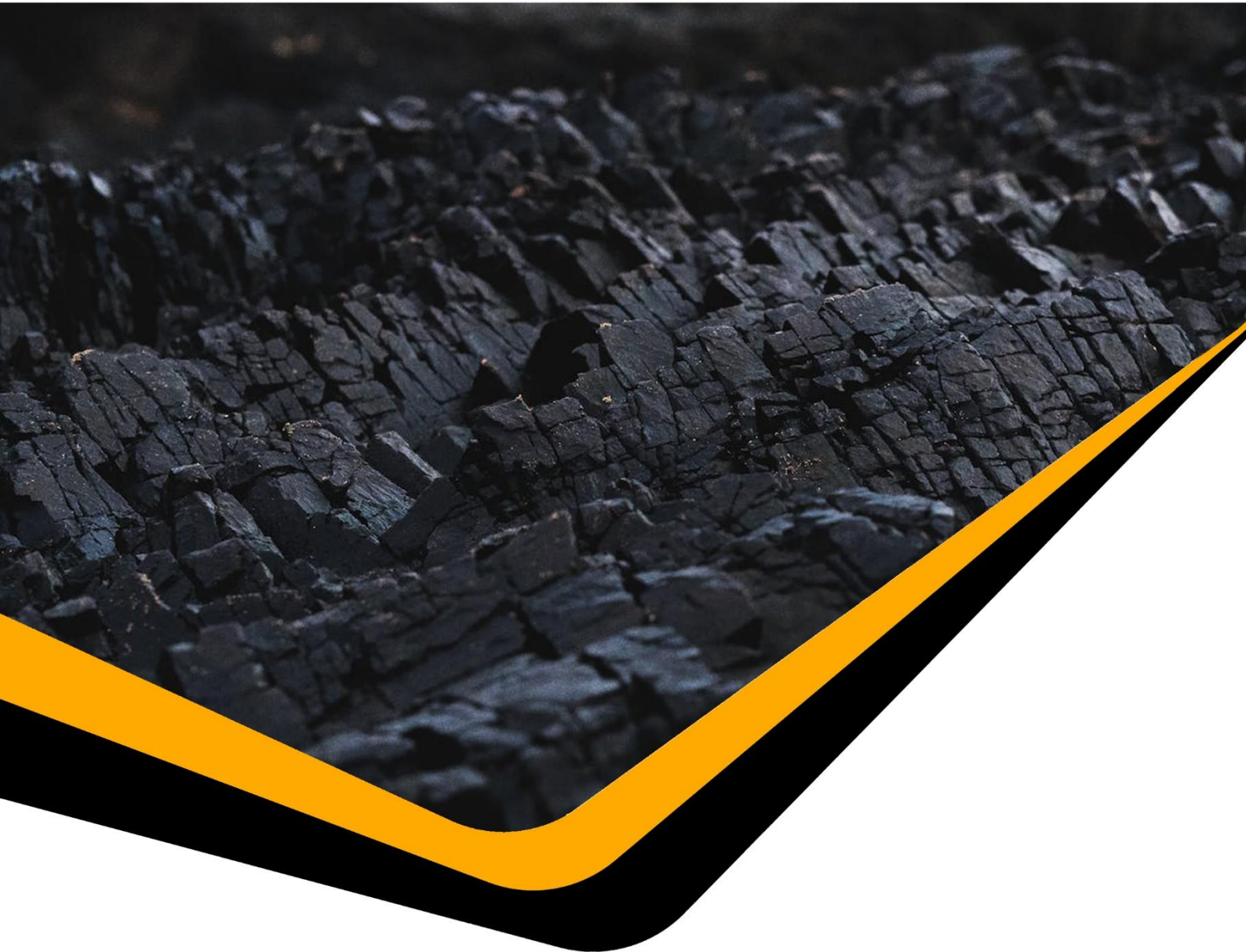
These test results are representative only of the sample received in the laboratory.

STANDARD METHOD		GB/T 211	GB/T 212	GB/T 213	GB/T 215	ISO 15707	GB/T 212	GB/T 212	GB/T 212	ISO 15789	GB/T 212	GB/T 212	GB/T 212	GB/T 212	ISO 15789	GB/T 212	GB/T 212	ISO 15789	GB/T 212	GB/T 212	ISO 15789	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)	Volatlie Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Moisture (MOB)	Ash (ASH)	Volatlie Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Ash (ASH)	Volatlie Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Ash (ASH)	Volatlie Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Volatlie Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)																											
1	ETT-SP-20057-1A	2.20	18.44	27.33	52.03	1.09	1.00	18.66	27.67	52.67	1.10	18.85	27.95	53.20	1.11	34.44	65.56	1.37	6.0	76	3.3																														
2	ETT-SP-20057-1B	2.41	22.10	24.81	50.68	0.81	0.87	22.45	25.21	51.48	0.83	22.64	25.43	51.93	0.83	32.87	67.13	1.08	5.5	68																															
3	ETT-SP-20057-1C	2.28	24.23	24.27	49.22	0.85	0.86	24.58	24.62	49.94	0.87	24.80	24.84	50.37	0.87	33.03	66.97	1.16	5.5	69																															
4	ETT-SP-20057-2A	3.58	21.11	24.48	50.84	0.61	0.94	21.69	25.15	52.23	0.63	21.89	25.38	52.73	0.63	32.50	67.50	0.81	5.0	70																															
5	ETT-SP-20057-2B	1.38	25.26	23.70	49.66	0.62	0.56	25.47	23.90	50.08	0.63	25.61	24.04	50.36	0.63	32.31	67.69	0.85	6.0	72																															
6	ETT-SP-20057-3A	3.14	23.28	24.54	49.05	0.93	0.79	23.84	25.13	50.24	0.96	24.03	25.33	50.64	0.96	33.34	66.66	1.27	6.0	73																															
7	ETT-SP-20057-3B	3.19	28.32	23.19	45.30	0.61	0.86	29.00	23.75	46.39	0.63	29.25	23.96	46.79	0.63	33.86	66.14	0.90	5.0	65																															
8	ETT-SP-20057-4A	2.87	22.97	25.11	49.05	0.70	0.68	23.49	25.67	50.16	0.71	23.65	25.85	50.50	0.72	33.86	66.14	0.94	6.5	78																															
9	ETT-SP-20057-4B	2.06	22.47	25.04	50.43	0.61	0.70	22.78	25.38	51.13	0.62	22.94	25.56	51.50	0.62	33.17	66.83	0.81	6.5	77																															
10	ETT-SP-20057-5A	3.08	22.46	25.02	49.44	1.36	0.83	23.03	25.65	50.69	1.19	23.17	25.81	51.01	1.19	33.60	66.40	1.55	76																																
11	ETT-SP-20057-5B	2.05	28.74	23.40	45.81	0.63	0.67	29.14	23.73	46.46	0.64	29.34	23.89	46.77	0.64	33.81	66.19	0.91	6.0	79																															
12	2436822	4.34	22.55	24.31	48.81	0.82	0.71	23.40	25.23	50.66	0.85	23.57	25.41	51.02	0.85	33.25	66.75	1.12	6.5	81																															
13	2440129	2.94	24.11	24.53	48.43	1.09	0.55	24.70	25.13	49.62	1.12	24.84	25.27	49.90	1.12	33.62	66.38	1.49	6.5	80																															
14	2440731	2.50	23.04	24.24	50.22	0.60	0.59	23.49	24.71	51.21	0.61	23.63	24.86	51.51	0.61	32.55	67.45	0.83	6.5	76																															
15	255711	4.16	25.32	23.69	46.83	0.90	0.53	26.28	24.58	48.61	0.94	26.42	24.72	48.87	0.94	33.59	66.41	1.26	6.0	77																															
16	2510919	2.70	25.58	23.64	48.09	0.66	0.51	26.15	24.17	49.17	0.67	26.29	24.29	49.42	0.68	32.95	67.05	0.92	6.5	77																															
17	2527501	2.61	25.03	23.53	48.84	0.60	0.48	25.57	24.04	49.91	0.61	25.70	24.16	50.15	0.62	32.51	67.49	0.83	6.0	73																															
18	2585204	2.19	22.41	24.55	50.86	0.71	0.57	22.78	24.95	51.70	0.72	22.91	25.10	52.00	0.73	32.55	67.45	0.84	6.5	74																															
19	2511301	2.11	19.97	26.09	51.84	1.27	0.59	20.28	26.49	52.64	1.29	20.40	26.65	52.95	1.29	33.48	66.52	1.43	6.0	76																															
20	25117505	2.59	25.44	23.95	48.02	1.46	0.62	25.95	24.43	48.99	1.49	26.12	24.58	49.30	1.50	33.27	66.73	2.03	6.0	72																															
21	ETT-SP-10197-1A	1.22	21.11	25.60	52.07	0.94	0.50	21.26	25.78	52.45	0.94	21.37	25.91	52.73	0.95	32.95	67.05	1.21	6.5	81																															
22	ETT-SP-10197-1B	2.41	20.31	25.62	51.86	0.95	0.53	20.71	25.91	52.86	0.97	20.82	26.04	53.14	0.97	32.89	67.11	1.23	6.5	82																															
23	ETT-SP-10197-2A	1.61	27.33	23.91	47.16	0.79	0.64	27.59	24.14	47.62	0.80	27.77	24.30	47.93	0.80	33.64	66.36	1.11	5.5	69																															
24	ETT-SP-10197-2B	1.70	25.16	24.62	48.53	1.15	0.73	25.40	24.86	49.01	1.16	25.59	25.04	49.37	1.17	33.65	66.35	1.57	5.5	68																															
25	ETT-SP-10197-3A	1.91	23.44	24.93	49.71	0.69	0.51	23.78	25.29	50.42	0.61	23.90	25.42	50.68	0.61	33.40	66.60	0.80	6.5	73																															
26	ETT-SP-10197-3B	1.77	26.22	23.98	48.03	0.55	0.48	26.57	24.29	48.66	0.55	26.70	24.41	48.89	0.56	33.20	66.70	0.76	6.0	76																															
27	ETT-SP-10197-4A	1.70	26.24	21.80	50.26	0.66	0.45	26.52	22.07	50.90	0.47	26.49	22.18	51.13	0.47	30.25	69.75	0.44	5.5	84																															
28	ETT-SP-10197-4B	1.53	18.30	25.61	54.57	1.15	0.70	18.45	25.82	55.03	1.16	18.58	26.00	55.42	1.17	31.94	68.06	1.44	6.5	83																															
29	ETT-SP-10197-5A	1.63	30.04	23.74	44.60	0.73	0.61	30.34	23.99	45.08	0.74	30.53	24.13	45.33	0.75	34.74	65.26	1.07	5.5	73																															
30	ETT-SP-10197-5B	1.45	21.08	26.34	50.93	0.78	0.61	21.39	26.62	51.47	0.79	21.43	26.78	51.79	0.79	34.09	65.91	1.01	6.5	83																															
31	ETT-SP-10197-6A	1.05	21.34	25.50	52.11	0.51	0.44	21.47	25.65	52.43	0.51	21.57	25.77	52.66	0.51	32.85	67.15	0.66	6.5	84																															
32	ETT-SP-10197-6B	0.93	26.58	24.64	47.85	0.69	0.49	26.70	24.75	48.06	0.49	26.83	24.87	48.30	0.70	33.99	66.01	0.95	6.0	71																															

QUALITY ASSURANCE/QUALITY CONTROL DATA

STANDARD	ASH	VOL	TSUL
24056-26E45-TT	26.03	28.38	0.630
Certified Value	0.056	0.137	0.0148
Standard Deviation	%	%	%
Unit	%	%	%
Analysis value	10.88	20.54	0.613

This is the Final Report and supercedes 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



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