
COAL QUALITY SPECIFICATION

№ ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL MOISTURE (ar) 3.0% (-1.0; +1.0)	ASH (db) 23.5% (-5.0; +5.0)	VOLATILE MATTER (daf) 33.0% (-1.5; +1.5)
TOTAL SULPHUR (db) 1.1 (-0.5; +0.5)	G INDEX 70.0 (-5.0; +10.0)	QUANTITY 128.0 THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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CERTIFICATE OF ANALYSIS
 23172, 1189, J52, J243, K43, L78, 24444, A89, A153, A173, A197, A225-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidin-8
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ATTN: Markhtuul.G
PROJECT NO.: xxx
LAB. JOB NO.: 23172, 1189, J52, J243, K43, L78, 24444, A89, A153, A173, A197, A225-TT
NO. SAMPLES: 25
Notes/Comments: xxx

SAMPLES RECEIVED: 09/Sep/23 27/Jan/24
 INSTRUCTIONS RECEIVED: 09/Sep/23 27/Jan/24
 DATE OF REPORT: 10/Sep/23 28/Jan/24
 STATUS OF REPORT: FINAL
 ANALYSIS COMPLETE: 10/Sep/23 28/Jan/24
 PREPARATION CODE: CRUSA01, SO, MLL01
 ANALYSIS CODE: 1, COKING COAL, CSN
 TM, ASH, MOIS, VOL,
 TSUL, CSN

APPROVED BY: Laboratory Manager

Quality Manager: *[Signature]*
 CHECKED BY: *[Signature]*

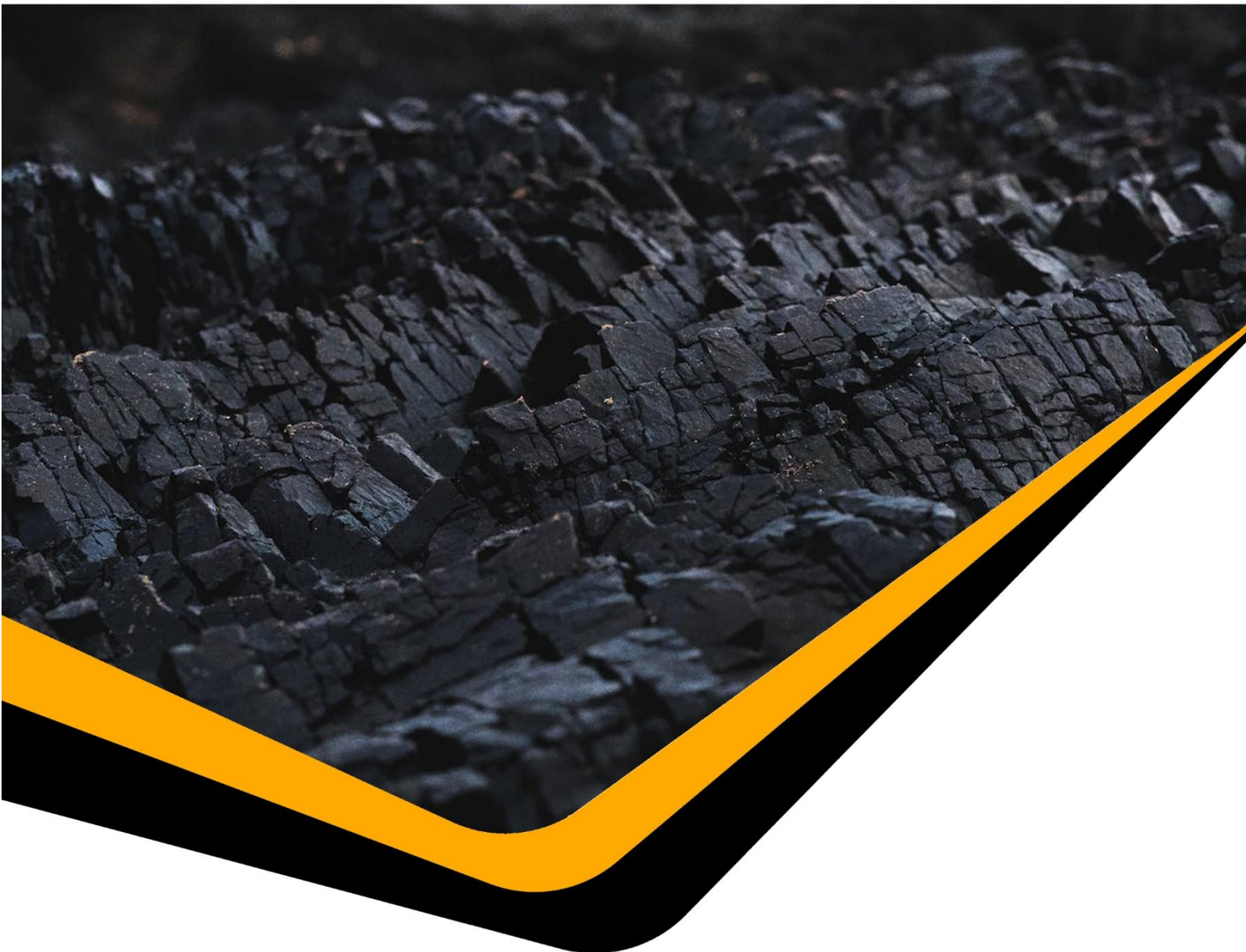
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS												AIR DRIED BASIS												DRY BASIS												Cribble Swelling Number (CSN)	Coal Caking Index (CKIN)
		Total Moisture (TM)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)																
1	ETT_SP_10069-1A	0.80	24.33	20.65	54.22	0.73	0.45	24.42	20.72	54.40	0.73	24.53	20.82	54.65	0.73	27.58	22.42	0.97	6.0	71	3.3																		
2	ETT_SP_10069-1B	0.71	24.48	19.86	52.95	1.29	0.49	24.54	19.90	53.07	1.29	24.67	20.00	53.33	1.30	27.27	22.73	1.77	4.0	52																			
3	ETT_SP_10069-1C	4.65	12.79	28.04	54.52	0.52	0.85	13.30	29.16	56.69	0.54	13.42	29.41	57.18	0.55	33.96	66.04	0.63	6.0	70																			
4	ETT_SP_10069-1D	2.44	22.69	20.89	52.98	0.73	0.66	24.13	21.27	53.95	0.74	24.28	21.41	54.30	0.74	28.28	71.72	0.98	5.5	69																			
5	ETT_SP_10069-1E	3.71	24.81	21.74	49.73	0.65	0.68	25.59	22.43	51.30	0.67	25.76	22.58	51.63	0.67	30.42	49.58	0.90	5.5	69																			
6	ETT_SP_10069-2A	1.80	30.82	20.72	46.67	0.65	0.71	31.16	20.95	47.19	0.66	31.38	21.10	47.52	0.66	30.74	69.26	0.96	6.5	66																			
7	ETT_SP_10069-2B	1.54	26.07	22.38	50.01	0.70	0.62	26.32	22.58	50.48	0.71	26.48	22.73	50.79	0.71	30.91	69.09	0.97	7.6	66																			
8	ETT_SP_10069-2C	2.11	37.55	19.05	41.29	0.57	0.73	38.08	19.32	41.87	0.58	38.36	19.46	42.18	0.58	31.57	68.43	0.94	4.3	63																			
9	ETT_SP_10069-2D	2.67	32.30	20.18	44.85	0.62	0.79	32.92	20.57	45.72	0.63	33.19	20.73	46.06	0.64	31.03	68.97	0.95	6.2	66																			
10	ETT_SP_10069-2E	1.32	22.93	21.30	54.45	0.47	0.43	23.13	21.49	54.94	0.48	23.23	21.58	55.18	0.48	28.12	71.80	0.63	5.5	66																			
11	ETT_SP_10069-3A	1.86	21.10	22.78	54.26	0.56	0.43	21.41	23.11	55.05	0.57	21.50	23.21	55.29	0.57	29.57	70.43	0.73	6.5	81																			
12	ETT_SP_10069-3B	2.22	22.24	20.74	54.80	0.64	0.44	22.84	21.12	55.80	0.66	23.14	21.21	56.64	0.66	27.46	72.54	0.82	6.0	74																			
13	ETT_SP_10069-3C	2.31	15.52	24.34	57.80	0.60	0.42	15.82	24.83	58.93	0.61	15.89	24.94	59.17	0.61	29.65	70.35	0.73	6.5	81																			
14	ETT_SP_10069-3D	2.75	19.68	22.58	54.99	0.57	0.60	20.12	23.08	56.21	0.58	20.24	23.22	56.54	0.58	29.11	70.89	0.73	6.5	78																			
15	ETT_SP_10069-3E	2.74	18.20	23.22	55.82	0.63	0.58	18.61	23.74	57.08	0.65	18.72	23.88	57.41	0.65	29.27	70.63	0.80	6.5	80																			
16	ETT_SP_10169-4A	1.89	24.08	21.61	52.42	0.56	0.64	24.44	21.93	53.19	0.57	24.55	22.03	53.43	0.57	29.19	70.81	0.76	6.0	72																			
17	ETT_SP_10069-4B	2.67	28.78	20.88	47.66	0.56	0.55	29.41	21.34	48.71	0.57	29.57	21.46	48.97	0.57	30.44	69.54	0.81	5.5	66																			
18	ETT_SP_10069-4C	2.91	20.53	23.14	53.42	0.69	0.56	21.02	23.70	54.72	0.70	21.14	23.84	55.02	0.71	30.23	69.77	0.90	6.5	77																			
19	ETT_SP_10069-4D	2.96	23.28	21.65	52.12	0.82	0.52	23.86	22.19	53.43	0.84	23.98	22.31	53.71	0.84	29.35	70.65	1.11	6.0	75																			
20	ETT_SP_10069-4E	3.36	16.92	23.85	55.87	0.90	0.50	17.42	24.56	57.53	0.93	17.50	24.68	57.82	0.94	29.92	70.08	1.13	6.5	87																			
21	ETT_SP_10069-5A	3.73	22.94	21.90	51.42	0.74	0.71	23.66	22.59	53.04	0.77	23.83	22.75	53.42	0.77	29.87	70.13	1.02	6.5	78																			
22	ETT_SP_10069-5B	4.14	19.35	22.67	53.89	0.77	0.39	20.01	23.51	55.89	0.80	20.13	23.65	56.22	0.80	29.61	70.39	1.00	6.5	80																			
23	ETT_SP_10069-5C	4.07	24.23	21.33	50.37	0.70	0.62	25.10	22.10	52.18	0.72	25.24	22.24	52.51	0.73	29.75	70.25	0.97	6.0	74																			
24	ETT_SP_10069-5D	4.08	21.87	22.63	51.42	0.68	0.62	22.66	23.45	53.27	0.71	22.80	23.59	53.61	0.71	30.56	69.44	0.92	6.5	82																			
25	ETT_SP_10069-5E	3.15	18.25	23.65	54.94	0.73	0.40	18.77	24.32	56.50	0.75	18.85	24.42	56.73	0.75	30.09	69.91	0.92	6.5	86																			

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDAWS-30/21	ASH	VOL	TSUL
Certified Value	10.70	20.33	0.605
Standard Deviation	0.0397	0.2004	0.0155
Unit	%	%	%
Analyzed value	10.67	20.33	0.605

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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