
COAL QUALITY SPECIFICATION

Nº ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

<p>TOTAL MOISTURE (ar)</p> <p>3.12%</p> <p>(-0.8; +0.8)</p>	<p>ASH (db)</p> <p>24.5%</p> <p>(-5.0; +5.0)</p>	<p>VOLATILE MATTER (daf)</p> <p>33.0%</p> <p>(-1.5; +1.5)</p>
<p>TOTAL SULPHUR (db)</p> <p>1.1%</p> <p>(-0.5; +0.5)</p>	<p>G INDEX</p> <p>70.0</p> <p>(-5.0; +10.0)</p>	<p>QUANTITY</p> <p>256.0</p> <p>THOUSAND TONS</p>

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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CERTIFICATE OF ANALYSIS
 23172, I189, J52, J243, K43, L78, 24444, A89, A153, A173, A197, A225-TT

CLIENT: Erdenes Tavan Tolgoi JSC
 ADDRESS: Finance Center, Jlgidjav-8
 1st Khoro, Chingelhal District
 Ulaanbaatar, Mongolia
 ATTN: Munkhtuul.G
 PROJECT NO.: xxx
 LAB. JOB NO.: 23172, I189, J52, J243, K43, L78, 24444, A89, A153, A173, A197, A225-TT
 NO. SAMPLES: 25
 Notes/Comments: xxx

SAMPLES RECEIVED: 09/Sep/23 27/Jun/24
 INSTRUCTIONS RECEIVED: 09/Sep/23 27/Jun/24
 DATE OF REPORT: 10/Sep/23 28/Jun/24
 STATUS OF REPORT: FINAL
 ANALYSIS COMPLETE: 10/Sep/23 28/Jun/24
 PREPARATION CODE: CRUSH-01, 02; MILL-01
 ANALYSIS CODE: 1_COOKING COAL, CSN
 TM, ASH, MOIS, VOL,
 TSUL, GIN

APPROVED BY: Laboratory Manager

Quality Manager - C
 O. J. J. J. J.
 CHECKED BY: Chief Chemist

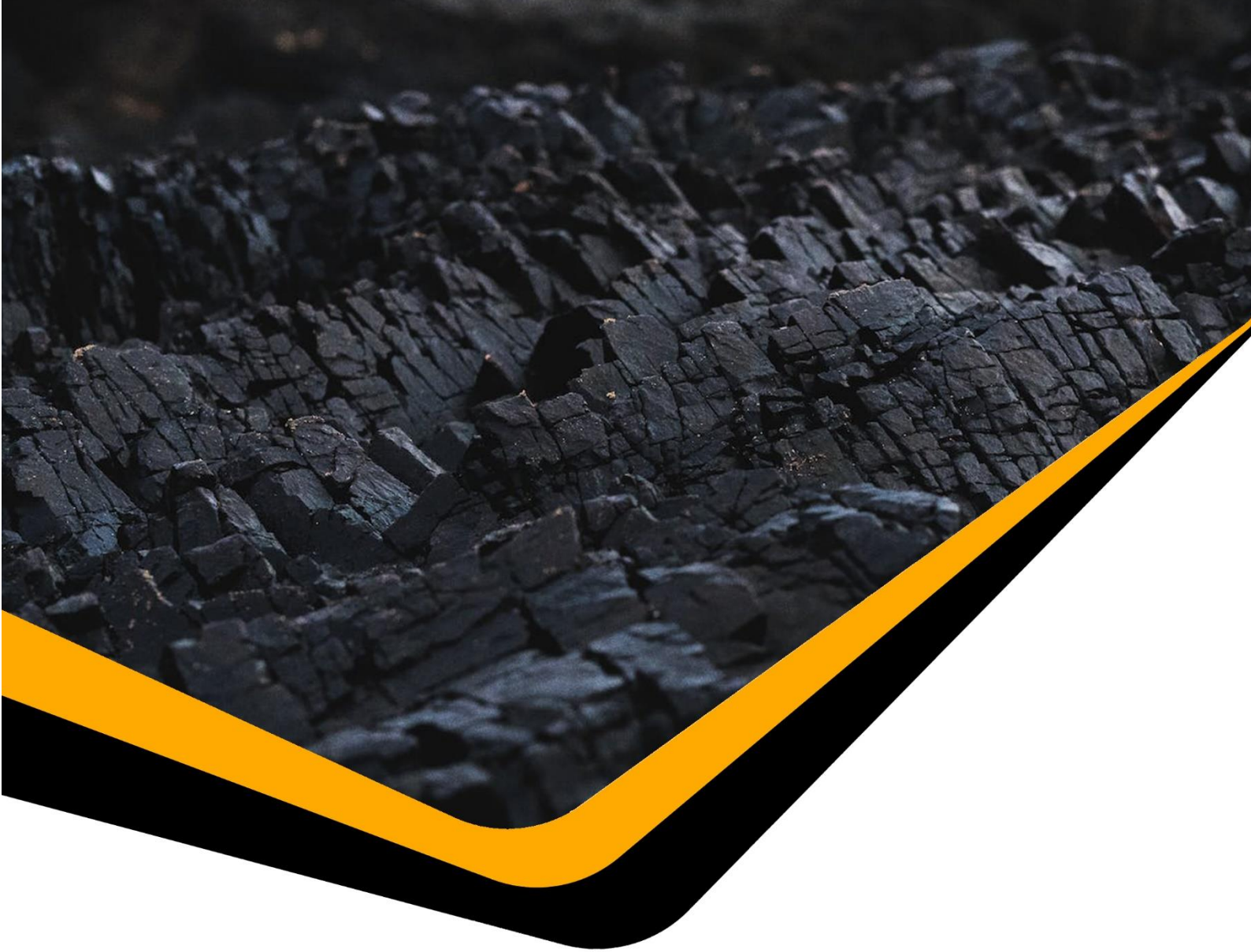
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	STANDARD METHOD																				Cresible Swelling Number (CSN)	Coal Caking Index (CKIN)	
		AS RECEIVED BASIS										AIR DRIED BASIS											G/T 5448	G/T 5447
		Total Moisture (TM)	Ash (ASH)	Volatle Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatle Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatle Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Volatle Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)						
1	ETT_SP_10069-1A	0.80	24.33	20.45	54.22	0.73	0.45	24.42	20.72	54.40	0.73	24.53	20.82	54.45	0.73	27.58	72.42	0.97	6.0	71	5:1	3:3		
2	ETT_SP_10069-1B	0.71	26.48	19.86	52.95	1.29	0.49	26.54	19.90	53.07	1.29	26.67	20.00	53.33	1.30	27.27	72.73	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	23.69	20.89	52.58	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	66	-	-		
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	51.85	0.67	30.42	69.58	0.99	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	6.6	66	-	-		
7	ETT_SP_10069-2B	1.54	26.07	22.38	50.01	0.70	0.62	26.32	22.59	50.48	0.71	26.48	22.73	50.79	0.71	30.91	69.09	0.97	7.6	76	-	-		
8	ETT_SP_10069-3C	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	43	-	-		
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	46.08	0.64	31.03	68.97	0.95	6.2	62	-	-		
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	71.88	0.63	5.5	66	-	-		
11	ETT_SP_10069-3A	1.86	21.10	22.78	54.28	0.56	0.43	21.41	23.11	55.06	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	22.64	21.12	55.80	0.46	22.74	21.21	56.04	0.46	27.46	72.34	0.85	6.0	74	-	-		
13	ETT_SP_10069-3C	2.31	15.52	24.36	57.80	0.60	0.42	15.82	24.83	58.92	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	2.76	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	29.37	70.63	0.80	6.5	80	-	-		
16	ETT_SP_10169-4A	1.89	24.08	21.61	52.42	0.56	0.44	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	30.46	69.54	0.81	5.5	66	-	-		
18	ETT_SP_10069-4C	2.91	20.33	23.14	53.42	0.69	0.56	21.02	23.79	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	21.45	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	0.72	23.83	22.75	53.42	0.77	29.87	70.13	1.02	6.5	78	-	-		
22	ETT_SP_10069-5B	4.14	19.30	22.67	53.89	0.77	0.59	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	25.26	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

SIDALWS-30/21	ASH	VOL	TSUL
Certified Value	10.70	20.33	0.606
Standard Deviation	0.039	0.064	0.0158
Unit	%	%	%
Analyzed value	10.67	20.33	0.606

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



ISO 9001:2015



ISO 14001:2015



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