
COAL QUALITY SPECIFICATION

Nº ETT_SP_75



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

<p>TOTAL MOISTURE (ar)</p> <h1>2.27%</h1> <p>(-1.0; +1.0)</p>	<p>ASH (db)</p> <h1>21.2%</h1> <p>(-4.0; +4.0)</p>	<p>VOLATILE MATTER (daf)</p> <h1>33.06%</h1> <p>(-1.3; +1.3)</p>
<p>TOTAL SULPHUR (db)</p> <h1>1.07</h1> <p>(-0.2; +0.3)</p>	<p>G INDEX</p> <h1>79</h1> <p>(-11.0; +7.0)</p>	<p>QUANTITY</p> <h1>160.0</h1> <p>THOUSAND TONS</p>

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC
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CERTIFICATE OF ANALYSIS

23172; 231122; 231205; 231224; 23J31; 23J52; 23J82; 23J176; 23J234; 23J243-TT

CLIENT: Erdenes Tavan Tolgoi JSC

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

ATTN: Munkhtuul.G

PROJECT NO. xxx

LAB. JOB NO. 23172; 231122; 231205; 231224; 23J31; 23J52; 23J82; 23J176; 23J234; 23J243-TT

NO. SAMPLES: 25

Notes/Comments: xxx

SAMPLES RECEIVED: 30/Oct-9/Sep/2023
INSTRUCTIONS RECEIVED: 30/Oct-9/Sep/2023
DATE OF REPORT: 31/Oct-10/Sep/2023
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 31/Oct-10/Sep/2023
PREPARATION CODE: CRUSH-01_02; MILL-01
ANALYSIS CODE: 1_COOKING_COAL_CSN
TM, ASH, MOIS, VOL,
TSUL, CKN

APPROVED BY: Laboratory Manager

Quality Manager

CHECKED BY: Chris Chemist

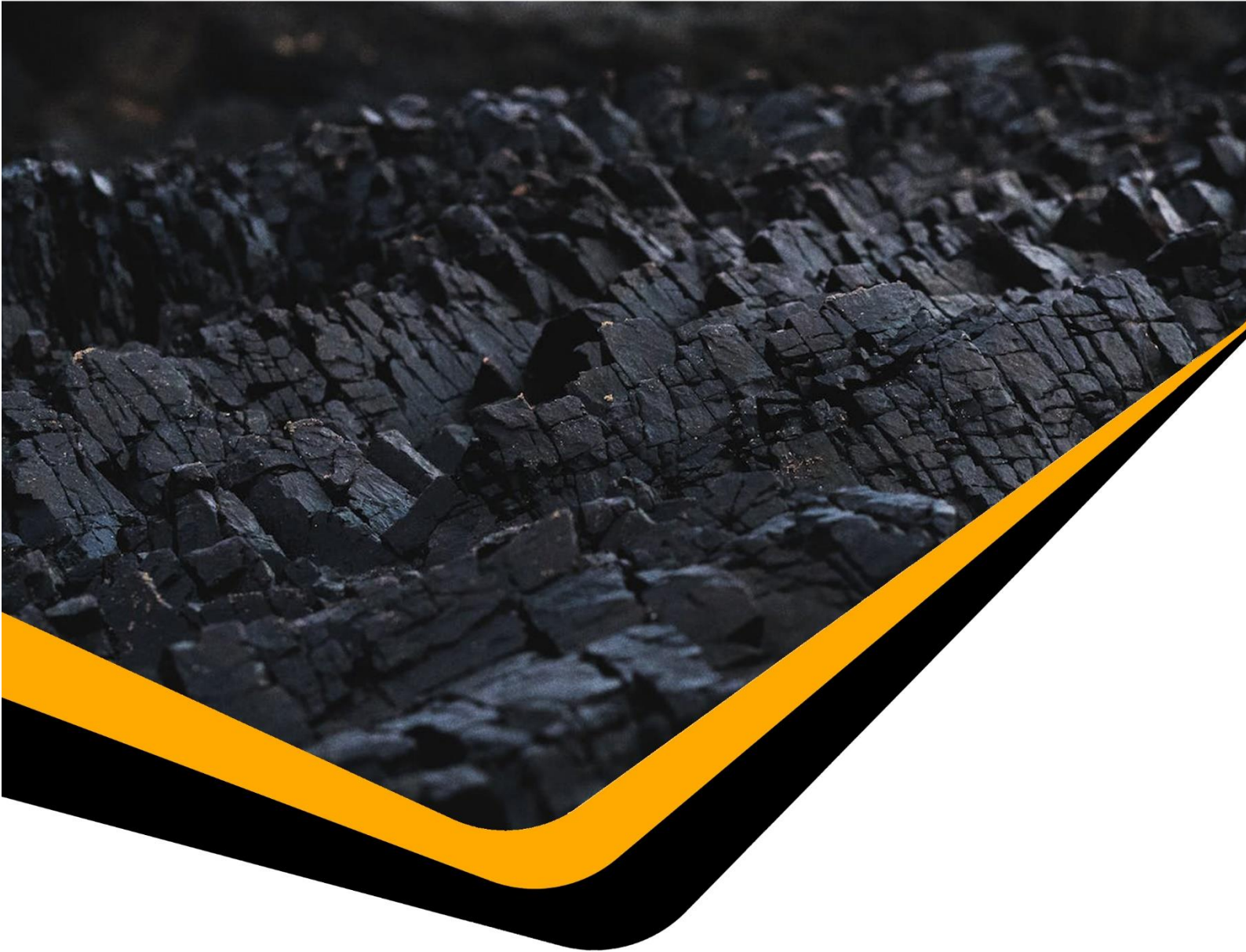
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS										Custble 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)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)					
1	ETT_SP_10075-1A	1.37	19.12	26.02	53.50	0.81	0.49	19.29	26.25	53.97	0.82	19.38	26.38	54.24	0.83	32.72	67.28	1.02	6.5	82	-		
2	ETT_SP_10075-1B	1.49	20.07	25.85	52.59	1.04	0.75	20.22	26.04	52.99	1.05	20.37	26.24	53.39	1.06	32.95	67.05	1.33	6.5	78	-		
3	ETT_SP_10075-1C	2.45	19.59	24.94	53.02	1.12	0.98	19.89	25.31	53.82	1.14	20.08	25.56	54.35	1.15	31.99	68.01	1.44	6.0	68	-		
4	ETT_SP_10075-1D	1.92	22.79	25.02	50.26	1.16	0.73	23.07	25.33	50.87	1.17	23.24	25.51	51.25	1.18	33.24	66.76	1.54	6.5	74	-		
5	ETT_SP_10075-1E	1.80	22.84	24.63	50.74	0.91	0.66	23.10	24.91	51.33	0.92	23.26	25.08	51.67	0.93	32.68	67.32	1.21	6.5	78	-		
6	ETT_SP_10075-2A	2.30	22.56	23.94	51.20	0.68	0.79	22.91	24.31	51.99	0.69	23.09	24.50	52.41	0.70	31.86	68.14	0.91	6.0	73	-		
7	ETT_SP_10075-2B	2.20	20.88	24.44	52.47	0.65	0.76	21.19	24.80	53.25	0.66	21.35	24.99	53.65	0.67	31.78	68.22	0.85	6.0	74	-		
8	ETT_SP_10075-2C	2.06	20.46	24.72	52.75	0.78	0.71	20.75	25.06	53.48	0.79	20.90	25.24	53.86	0.80	31.91	68.09	1.01	6.0	77	-		
9	ETT_SP_10075-2D	2.13	23.26	24.05	50.56	0.65	0.76	23.59	24.39	51.27	0.66	23.77	24.57	51.66	0.66	32.23	67.77	0.87	6.5	78	-		
10	ETT_SP_10075-2E	1.96	24.48	23.70	49.85	0.58	0.76	24.78	23.99	50.46	0.59	24.97	24.19	50.85	0.59	32.23	67.77	0.79	6.5	75	-		
11	ETT_SP_10075-3A	1.38	20.61	25.98	52.00	1.06	0.60	20.77	26.18	52.44	1.07	20.90	26.34	52.78	1.08	33.30	66.70	1.36	6.5	81	-		
12	ETT_SP_10075-3B	1.69	19.53	26.46	52.32	1.23	0.68	19.73	26.73	52.86	1.24	19.86	26.92	53.22	1.25	33.59	66.41	1.56	6.5	80	-		
13	ETT_SP_10075-3C	2.32	18.59	27.03	52.06	1.36	0.83	18.87	27.44	52.85	1.39	19.03	27.67	53.29	1.40	34.18	65.82	1.73	6.5	85	-		
14	ETT_SP_10075-3D	2.92	22.78	25.50	48.80	1.41	0.74	23.39	26.07	49.90	1.44	23.46	26.27	50.27	1.45	34.52	65.48	1.90	6.5	77	-		
15	ETT_SP_10075-3E	2.75	18.91	26.57	51.77	1.44	0.79	19.59	27.11	50.82	1.47	19.44	27.33	51.24	1.48	33.92	66.08	1.83	6.5	81	-		
16	ETT_SP_10075-4A	2.98	23.72	24.79	48.51	1.07	0.66	24.28	25.39	49.67	1.10	24.45	25.56	50.00	1.11	33.82	66.18	1.46	6.0	75	-		
17	ETT_SP_10075-4B	2.82	19.50	25.53	52.15	0.85	0.62	19.94	26.11	53.33	0.87	20.06	26.28	53.66	0.87	32.87	67.13	1.09	6.5	81	-		
18	ETT_SP_10075-4C	3.15	17.25	26.66	52.94	0.93	0.67	17.69	27.34	54.30	0.95	17.81	27.52	54.66	0.96	33.49	66.51	1.16	6.5	86	-		
19	ETT_SP_10075-4D	2.23	17.61	26.25	53.91	1.87	0.65	17.90	26.68	54.78	1.90	18.02	26.85	55.13	1.91	32.75	67.25	2.33	6.5	85	-		
20	ETT_SP_10075-4E	3.22	15.11	26.42	55.25	0.97	0.62	15.52	27.13	56.73	0.99	15.61	27.30	57.08	1.00	32.35	67.65	1.19	6.5	85	-		
21	ETT_SP_10075-5A	2.24	20.15	26.42	51.18	1.20	0.46	20.52	26.90	52.12	1.22	20.62	27.03	52.36	1.22	34.04	65.96	1.54	6.5	82	-		
22	ETT_SP_10075-5B	2.99	21.33	25.83	50.55	1.22	0.44	21.73	26.32	51.51	1.24	21.83	26.43	51.74	1.25	33.81	66.19	1.59	6.5	81	-		
23	ETT_SP_10075-5C	2.47	23.89	25.24	48.40	1.23	0.40	24.40	25.78	49.42	1.25	24.50	25.88	49.62	1.26	34.28	65.72	1.67	6.5	77	-		
24	ETT_SP_10075-5D	3.12	20.89	25.82	50.17	1.07	0.42	21.47	26.54	51.57	1.10	21.57	26.65	51.79	1.10	33.98	66.02	1.41	6.5	80	-		
25	ETT_SP_10075-5E	2.76	20.35	26.29	50.61	1.28	0.52	20.82	26.89	51.77	1.31	20.93	27.03	52.04	1.31	34.19	65.81	1.66	6.5	80	-		

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDAISWE-30/21	ASH	VOL	TSUL
Certified Value	20.18	33.06	0.606
Standard Deviation	0.059	0.204	0.0136
Unit	%	%	%
Analyzed value	10.67	20.33	0.606

This is the Final Report and represents 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



