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# COAL QUALITY SPECIFICATION

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Nº ETT\_SP\_CC

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ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



### COAL STOCKPILES QUALITY (weighted average)

<b>TOTAL MOISTURE (ar)</b> <b>3.0</b> (-1.0; +1.0)	<b>ASH (db)</b> <b>14.5%</b> (-3.0; +3.0)	<b>VOLATILE MATTER (daf)</b> <b>27.0%</b> (-2.0; +2.0)
<b>TOTAL SULPHUR (db)</b> <b>1.1</b> (-0.5; +0.5)	<b>G INDEX (5:1)</b> <b>70.0</b> (-5.0; +10.0)	<b>QUANTITY</b> <b>32.0</b> <b>THOUSAND TONNES</b>

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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CERTIFICATE OF ANALYSIS  
23F67, 75, 107, 105, 106, 111, 116, 131-TT

CLIENT: Erdene Tavan Tolgoi JSC  
ADDRESS: Finance Center, Jigjidaa-8  
Tselkhon, Chinggis Khan District  
Ulaanbaatar, Mongolia  
ATTN: Bilgumarchis  
PROJECT NO. xxx  
LAB. JOB NO. 23F67, 75, 107, 105, 106, 111, 116, 131-TT  
NO. SAMPLES: 21  
Notes/Comments: xxx

SAMPLES RECEIVED: 14-26/06/2023  
INSTRUCTIONS RECEIVED: 14-26/06/2023  
DATE OF REPORT: 15-27/06/2023  
STATUS OF REPORT: FINAL  
ANALYSIS COMPLETE: 15-27/06/2023  
PREPARATION CODE: CRUSH-01, 02, MILL-01  
ANALYSIS CODE: 1. COOKING COAL, CBN  
TM, ASH, MOIS, VOL,  
TSUL, CSN, CSN

APPROVED BY: Laboratory Manager



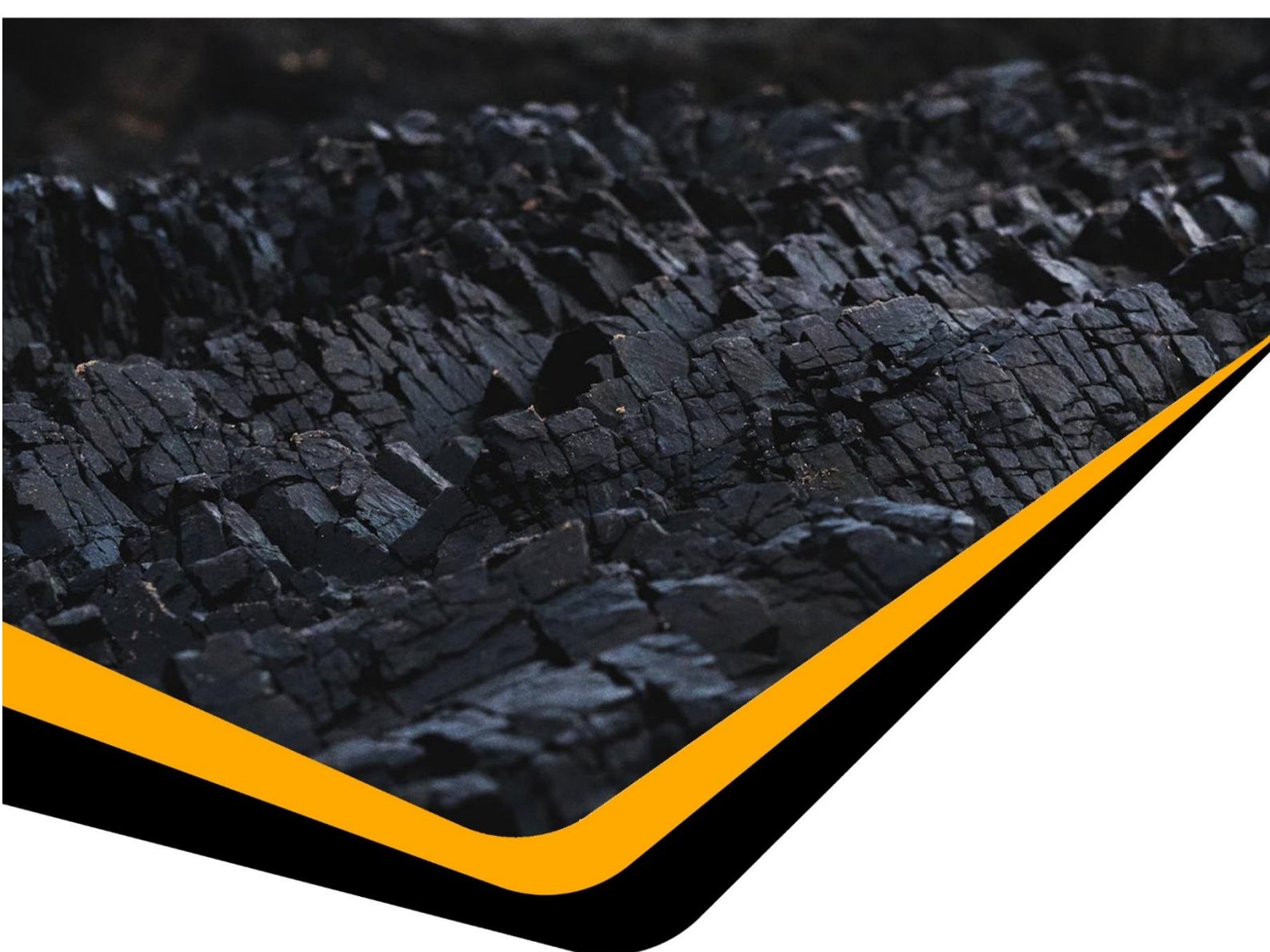
These test results are representative only of the samples received in the laboratory.

LAB NO.	SAMPLE NO.	STANDARD METHOD		AS RECEIVED BASIS										AIR DRIED BASIS										DRY BASIS										GB/T 5448	GB/T 5447
		GB/T 211	GB/T 212	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)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Crossite Swelling Number (CSN)	Coal Caking Index (CCI)										
%																																			
1	ETT_SP_10050-1A	1.02	10.94	21.97	66.07	6.52	0.55	10.99	22.07	66.18	0.53	11.05	22.20	66.75	0.53	24.56	75.04	0.59	7.0	82	-														
2	ETT_SP_10050-1B	1.48	12.67	21.55	64.64	6.64	0.49	12.79	21.46	65.29	0.45	12.65	21.56	65.59	0.65	24.74	75.26	0.74	7.0	77	-														
3	ETT_SP_10050-1C	0.87	13.43	21.57	64.14	6.72	0.39	13.49	21.67	64.45	0.72	13.54	21.76	64.70	0.72	25.16	74.84	0.64	7.8	-	-														
4	ETT_SP_10050-2A	2.50	15.29	21.86	60.34	1.09	0.45	15.58	22.29	61.48	1.11	15.68	22.44	61.80	1.52	26.61	73.39	1.33	6.5	77	-														
5	ETT_SP_10050-2B	2.70	14.15	21.72	61.43	1.38	0.67	14.45	22.18	62.71	1.41	14.54	22.33	63.13	1.42	26.12	73.88	1.67	6.5	74	-														
6	ETT_SP_10050-2C	1.99	16.97	21.84	59.28	1.04	0.39	17.28	22.18	60.19	1.06	17.31	22.27	60.42	1.06	26.93	73.07	1.29	6.5	77	-														
7	ETT_SP_10050-3A	1.95	13.31	22.35	62.98	0.85	0.28	13.46	22.60	62.66	0.86	13.49	22.66	63.85	0.86	24.29	73.00	1.00	6.5	80	-														
8	ETT_SP_10050-3B	1.61	12.07	22.96	63.95	0.87	0.26	12.23	22.29	64.22	0.88	12.24	22.35	64.58	0.89	26.62	73.30	1.01	6.5	80	-														
9	ETT_SP_10050-3C	1.99	12.93	21.76	63.31	1.00	0.46	13.14	22.12	64.34	1.22	13.20	22.21	64.60	1.22	25.58	74.42	1.41	6.5	78	-														
10	ETT_SP_10050-4A	1.45	14.38	21.92	62.25	1.09	0.53	14.51	22.13	62.83	1.10	14.59	22.24	63.16	1.10	26.04	73.96	1.29	6.5	80	-														
11	ETT_SP_10050-4B	1.91	15.29	21.93	61.54	1.20	0.52	15.48	21.43	62.49	1.22	15.53	21.74	62.73	1.22	25.74	74.26	1.45	6.0	71	-														
12	ETT_SP_10050-4C	2.11	17.64	20.94	59.90	1.12	0.58	17.92	20.64	60.84	1.14	18.02	20.79	61.19	1.15	25.29	74.65	1.40	5.5	65	-														
13	ETT_SP_10050-5A	2.12	13.56	21.34	62.98	1.16	0.51	13.78	21.69	64.02	1.18	13.85	21.80	64.34	1.19	25.31	74.60	1.30	6.5	81	-														
14	ETT_SP_10050-5B	2.22	11.86	21.88	64.08	0.67	0.55	12.07	22.25	65.13	0.68	12.13	22.37	65.49	0.69	25.46	74.54	0.78	6.5	83	-														
15	ETT_SP_10050-5C	2.28	10.34	22.11	65.27	0.50	0.57	10.52	22.50	66.41	0.51	10.58	22.63	66.79	0.51	25.31	74.69	0.58	6.5	83	-														
16	ETT_SP_10050-6A	3.40	13.29	21.38	61.04	0.88	0.42	13.77	21.99	63.61	0.91	13.86	22.13	64.01	0.91	25.60	74.31	1.06	6.5	78	-														
17	ETT_SP_10050-6B	3.50	14.85	21.09	60.57	0.95	0.42	15.29	21.72	62.37	0.98	15.38	21.80	62.76	0.99	25.00	74.17	1.17	6.0	68	-														
18	ETT_SP_10050-6C	2.95	14.93	22.14	60.58	1.20	0.60	14.68	22.46	63.04	1.23	14.76	22.62	63.42	1.24	26.77	73.23	1.45	6.5	78	-														
19	ETT_SP_10050-7A	2.37	13.52	21.51	62.60	0.65	0.48	13.78	21.93	63.81	0.45	13.85	22.03	64.12	0.46	25.57	74.43	0.76	6.5	75	-														
20	ETT_SP_10050-7B	2.13	13.31	22.22	62.25	0.66	0.46	13.53	22.69	63.41	0.67	13.60	22.70	63.70	0.67	25.27	73.73	0.78	6.5	82	-														
21	ETT_SP_10050-7C	2.24	12.70	22.42	62.97	0.80	0.47	12.99	22.93	63.71	0.82	13.06	22.94	64.01	0.82	26.30	73.62	0.94	6.5	80	-														

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDAL955-23/20	ASH	VOL	TSUL
Certified Value	10.85	18.16	0.616
Standard Deviation	0.09	0.16	0.077
Unit	%	%	%
Analysed value	10.81	18.11	0.617

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. COPY RIGHT PROTECTED DOCUMENT



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Чингэлтэй дүүрэг,  
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