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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)

<p><b>TOTAL MOISTURE (ar)</b></p> <p><b>≤4.0%</b></p>	<p><b>ASH (db)</b></p> <p><b>13.5%</b></p> <p>(-2.0; +3.0)</p>	<p><b>VOLATILE MATTER (daf)</b></p> <p><b>26.5%</b></p> <p>(-2.0; +2.0)</p>
<p><b>TOTAL SULPHUR (db)</b></p> <p><b>≤1.0</b></p>	<p><b>G INDEX</b></p> <p><b>75</b></p> <p>(-10.0; +10.0)</p>	<p><b>QUANTITY</b></p> <p><b>1004.8</b></p> <p>THOUSAND TONS</p>

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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

CLIENT: Erdenes Tavan Tolgoi JSC  
 ADDRESS: Franco Center, Jigjidaa-II, Tselkhonos, Chinggiselai District, Ulaanbaatar, Mongolia  
 ATTN: Bilgenmantel S  
 PROJECT NO. xxx  
 LAB. JOB NO. 23F67, 75, 107, 102, 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 COMPLETED: 15-27/06/2023  
 PREPARATION CODE: CRUSH-01, 02, MILL-01  
 ANALYSIS CODE: 1. COOKING COAL CBN  
 TML, ASH, MOIST, VOL, TSUL, CSN, CSNK

APPROVED BY: Laboratory Manager



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

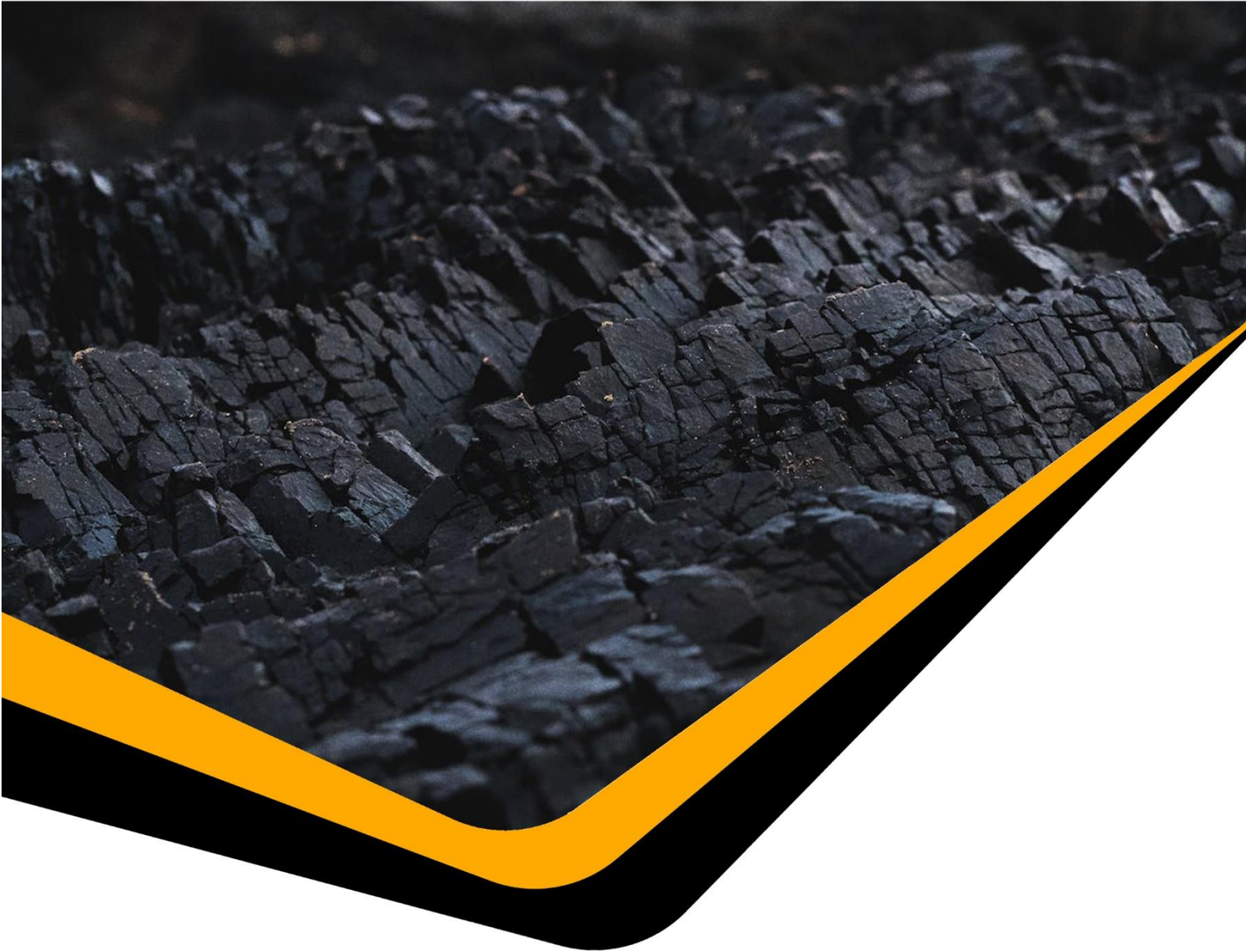
STANDARD METHOD	LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS										DRY BASIS										Crucible Swelling Number (CSN)	Coal Caking Index (CCNK)	
			Total Moisture (TM)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatiles Matter (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)	Crucible Swelling Number (CSN)	CS1	CS2													
1	ETT_SP_10550-1A	1.02	10.94	21.97	66.07	0.52	0.55	10.99	22.07	66.38	0.53	11.05	22.20	66.75	0.53	24.56	75.04	0.59	7.0	62	-														
2	ETT_SP_10550-1B	1.44	13.67	21.25	64.64	0.64	0.45	12.79	21.46	65.29	0.65	12.85	21.56	65.59	0.65	24.74	75.20	0.74	7.0	77	-														
3	ETT_SP_10550-1C	0.87	13.43	21.57	64.14	0.72	0.39	13.49	21.67	64.45	0.72	13.54	21.76	64.70	0.72	25.16	74.84	0.84	7.8	-	-														
4	ETT_SP_10550-2A	2.50	15.29	21.86	60.34	1.09	0.65	15.58	22.29	61.48	1.11	15.68	22.44	61.80	1.12	26.61	73.29	1.33	6.5	77	-														
5	ETT_SP_10550-2B	2.70	14.15	21.72	61.42	1.38	0.62	14.45	22.18	62.71	1.41	14.54	22.33	63.13	1.42	26.12	73.68	1.67	6.5	74	-														
6	ETT_SP_10550-2C	1.93	16.97	21.84	59.25	1.04	0.39	17.24	22.18	60.19	1.06	17.31	22.27	60.42	1.06	26.93	73.07	1.29	7.7	-	-														
7	ETT_SP_10550-3A	1.35	13.31	22.35	62.98	0.85	0.28	13.66	22.60	63.66	0.86	13.69	22.66	63.85	0.86	26.20	73.60	1.00	6.5	80	-														
8	ETT_SP_10550-3B	1.61	12.67	22.16	63.35	0.87	0.26	12.23	23.29	64.22	0.88	12.24	23.35	64.38	0.89	26.62	73.30	1.01	6.5	80	-														
9	ETT_SP_10550-3C	1.79	12.53	21.76	63.21	1.00	0.40	13.14	22.12	64.34	1.22	13.20	22.21	64.40	1.22	25.59	74.42	1.41	6.5	78	-														
10	ETT_SP_10550-4A	1.45	14.38	21.92	62.25	1.09	0.53	14.51	22.33	62.93	1.10	14.59	22.24	63.16	1.10	26.04	73.16	1.29	6.5	80	-														
11	ETT_SP_10550-4B	1.91	15.23	21.33	61.54	1.20	0.52	15.48	21.63	62.40	1.22	15.53	21.74	62.73	1.22	25.74	74.26	1.45	6.0	71	-														
12	ETT_SP_10550-4C	2.11	17.64	20.34	59.90	1.12	0.58	17.92	20.66	60.84	1.14	18.02	20.78	61.19	1.15	25.35	74.65	1.40	5.5	65	-														
13	ETT_SP_10550-5A	2.12	13.56	21.34	62.99	1.16	0.51	13.78	21.69	64.03	1.18	13.85	21.80	64.24	1.19	25.31	74.60	1.20	6.5	81	-														
14	ETT_SP_10550-5B	2.22	11.86	21.68	64.04	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_10550-5C	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	25.91	74.69	0.58	6.5	83	-														
16	ETT_SP_10550-6A	3.40	13.30	21.38	61.84	0.88	0.62	13.77	21.99	63.61	0.91	13.86	22.13	64.01	0.91	25.60	74.31	1.06	6.5	76	-														
17	ETT_SP_10550-6B	3.50	14.85	21.09	60.57	0.95	0.62	15.20	21.72	62.37	0.98	15.38	21.86	62.76	0.99	25.83	74.17	1.17	6.0	68	-														
18	ETT_SP_10550-6C	2.95	14.33	22.14	60.58	1.20	0.50	14.68	22.48	63.04	1.23	14.76	22.62	63.42	1.24	26.77	72.23	1.45	6.0	79	-														
19	ETT_SP_10550-7A	2.27	13.52	21.51	62.60	0.65	0.48	13.79	21.93	63.81	0.49	13.85	22.03	64.52	0.46	23.57	74.42	0.76	6.5	75	-														
20	ETT_SP_10550-7B	2.13	13.31	22.22	62.35	0.66	0.46	13.53	22.60	63.41	0.47	13.60	22.70	63.70	0.47	25.27	73.73	0.78	6.5	82	-														
21	ETT_SP_10550-7C	2.24	12.76	22.42	62.57	0.80	0.47	12.99	22.83	63.71	0.82	13.05	22.94	64.01	0.82	26.38	73.82	0.94	6.5	80	-														

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDAL202-43/20	ASH	VOL	TSUL
Certified Value	13.53	26.16	63.16
Standard Deviation	0.03	0.16	0.017
Unit	%	%	%
Analysed value	10.81	18.11	63.7

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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