
COAL QUALITY SPECIFICATION

Nº ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILE QUALITY (Weighted average)

Inherent moisture IM (ad) 1.0%	Ash (db) 13.0% (-3.0; +3.0)	Volatile matter VM (daf) 26.0% (-2.0; +2.0)
Total sulphur S (ad) ≤1.5%	G-index ≥75.0	Quantity 128.0 Thousand tons

The following is the result of the laboratory test.

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CERTIFICATE OF ANALYSIS
 23F127, 131, 137, 140, 144-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jsgalje-9
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 Ulaanbaatar, Mongolia
ATTN: Бйгүүмандас
PROJECT NO.: xxx
LAB. JOB NO.: 23F127, 131, 137, 140, 144-TT
NO. SAMPLES: 15
Notes/Comments: xxx

SAMPLES RECEIVED: 25-29/04/2023
INSTRUCTIONS RECEIVED: 25-29/05/2023
DATE OF REPORT: 26-30/05/2023
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 26-30/05/2023
PREPARATION CODE: CRUSH-01, S2, MLL-01
ANALYSIS CODE: 1. COKING COAL CSN
 TM, ASH, MOB, VOL,
 TSUL, CSN, CRN

APPROVED BY: Laboratory Manager
 (Signature)
CHECKED BY: Chief Chemist
 (Signature)

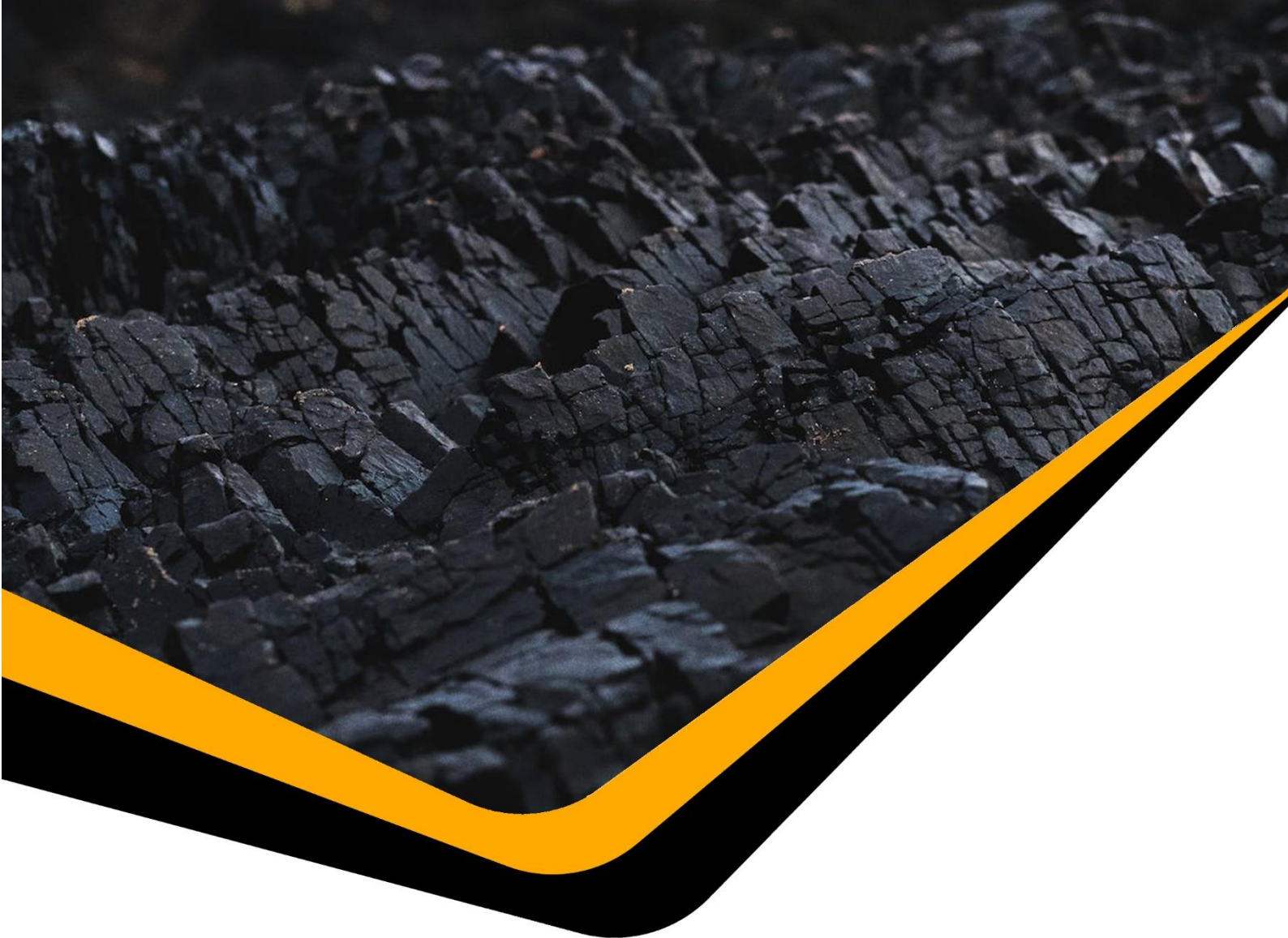
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	STANDARD METHOD															Crucible Swelling Number (CSN)	Coal Caking Index (CCIK)		
		AS RECEIVED BASIS					AIR DRIED BASIS					DRY BASIS						G/B/T 5447	G/B/T 5447	
		G/B/T 211	G/B/T 212	G/B/T 212	ISO 15979	G/B/T 212	G/B/T 212	G/B/T 212	ISO 15979	G/B/T 212	G/B/T 212	ISO 15979	G/B/T 212	G/B/T 212	ISO 15979	G/B/T 212	G/B/T 5448			B:1
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Fixed Carbon (FC)	Total Sulphur (TSUL)			
1	ETT_SP_10054-1A	1.86	12.28	21.19	64.67	0.71	0.59	12.68	21.47	65.59	0.72	12.51	21.39	65.09	0.73	24.68	75.32	0.93	6.5	74
2	ETT_SP_10054-1B	3.86	9.12	22.17	65.05	0.61	0.59	9.41	22.87	67.13	0.63	9.47	23.51	67.53	0.64	25.41	74.59	0.70	6.5	78
3	ETT_SP_10054-1C	2.87	10.83	22.04	64.28	0.90	0.54	11.09	22.57	65.90	0.92	11.15	22.89	66.16	0.93	25.54	74.46	1.05	6.5	82
4	ETT_SP_10054-2A	1.82	11.83	21.29	65.96	0.84	0.43	11.99	21.38	65.99	0.85	12.04	21.67	66.29	0.86	24.64	75.36	0.97	6.5	77
5	ETT_SP_10054-2B	1.95	12.02	21.93	64.19	0.59	0.44	12.21	22.26	65.09	0.59	12.26	22.36	65.38	0.59	25.49	74.51	0.67	6.5	75
6	ETT_SP_10054-2C	1.71	8.01	22.97	66.21	0.69	0.49	8.11	24.18	67.15	0.69	8.15	24.39	67.45	0.69	24.54	73.48	0.75	7.0	91
7	ETT_SP_10054-3A	2.74	12.07	22.34	62.84	0.86	0.55	12.38	22.85	64.36	0.88	12.41	22.97	64.62	0.88	24.23	75.77	1.01	6.5	83
8	ETT_SP_10054-3B	2.77	10.41	22.19	64.63	0.84	0.53	10.65	22.70	64.12	0.86	10.71	22.82	64.47	0.87	25.54	74.44	0.97	6.5	80
9	ETT_SP_10054-3C	3.21	10.53	21.46	64.70	0.58	0.51	10.83	22.28	64.58	0.60	10.89	22.39	64.92	0.60	24.91	75.99	0.67	6.5	78
10	ETT_SP_10054-4A	1.54	10.81	21.93	65.31	0.58	0.44	10.99	22.27	64.30	0.57	11.02	22.37	64.61	0.57	25.14	74.86	0.64	6.5	80
11	ETT_SP_10054-4B	2.07	10.93	23.98	65.06	0.75	0.48	11.11	22.34	64.07	0.73	11.17	22.44	64.39	0.74	25.26	74.74	0.83	6.5	82
12	ETT_SP_10054-4C	1.92	9.30	22.83	65.94	0.55	0.49	9.44	23.18	64.91	0.55	9.49	23.28	65.24	0.56	25.71	74.79	0.61	7.0	88
13	ETT_SP_10054-5A	1.03	13.02	22.40	63.56	0.71	0.41	13.10	22.54	63.95	0.71	13.15	22.63	64.21	0.72	24.06	73.94	0.82	6.5	77
14	ETT_SP_10054-5B	1.09	13.89	22.29	62.77	0.68	0.39	13.99	22.45	63.17	0.68	14.04	22.54	63.42	0.69	24.22	72.78	0.80	6.5	79
15	ETT_SP_10054-5C	1.39	12.84	22.46	63.59	0.71	0.42	12.94	22.64	64.00	0.72	12.98	23.14	64.27	0.72	26.13	72.87	0.83	6.5	83

QUALITY ASSURANCE/QUALITY CONTROL DATA

STD:ALWS-23/20	ASH	VOL	TSUL
Certified Value	10.85	18.18	0.518
Standard Deviation	0.05	0.16	0.017
(n=4)	%	%	%
Analysed value	10.85	18.18	0.519

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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Улаанбаатар хот

