
COAL QUALITY SPECIFICATION

Nº ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

<p>TOTAL MOISTURE (ar)</p> <p>3.0%</p> <p>(-2.0; +3.0)</p>	<p>ASH (db)</p> <p>16.0%</p> <p>(-2.0; +4.0)</p>	<p>VOLATILE MATTER (daf)</p> <p>28.0%</p> <p>(-2.0; +2.0)</p>
<p>TOTAL SULPHUR (db)</p> <p>0.8%</p> <p>(-0.3; +0.5)</p>	<p>G INDEX</p> <p>75</p> <p>(-10.0; +10.0)</p>	<p>QUANTITY</p> <p>128.0</p> <p>THOUSAND TONS</p>

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC
 Mongol National Building, 2nd khoroо
 Chinggis Avenue, Khan-Uul District
 Ulaanbaatar, Mongolia
 Tel +976 70 007687



CERTIFICATE OF ANALYSIS
 24A116, A146, A158, A169, A203, A225, A236, B29-TT

CLIENT: Erdenes Tavan Tolgoi JSC
 ADDRESS: Finance Center, Jigjidjav-8
 1st khoroо, Chinggisai District
 Ulaanbaatar, Mongolia
 ATTN: Munkhчулуг
 PROJECT NO.: xxx
 LAB. JOB NO.: 24A116, A146, A158, A169, A203, A225, A236, B29-TT
 NO. SAMPLES: 17
 Notes/Comments: xxx

SAMPLES RECEIVED: 15/01/2024 3/02/2024
 INSTRUCTIONS RECEIVED: 15/01/2024 3/02/2024
 DATE OF REPORT: 16/01/2024 4/02/2024
 STATUS OF REPORT: FINAL
 ANALYSIS COMPLETE: 16/01/2024 4/02/2024
 PREPARATION CODE: CSPSC, CSPC, CSPG
 ANALYSIS CODE: 1_COKING COAL, CSM
 TM, MOIS, ASH, VOL,
 TSUL, GCV, COK

APPROVED BY:

Quality Manager

CHECKED BY: Chel Chimeel

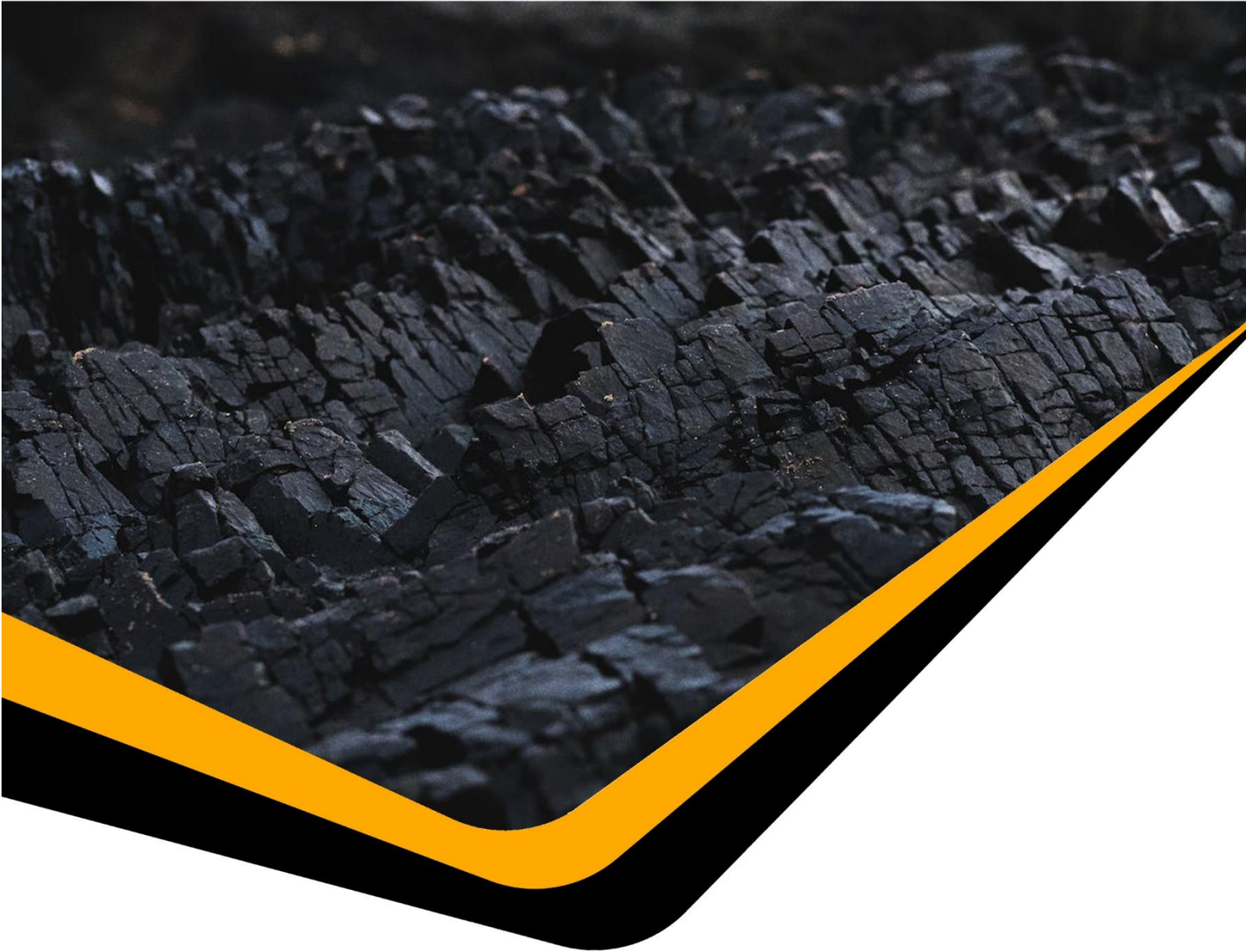
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	STANDARD METHOD										DRY, ASH-FREE BASIS						Crucible Swelling Number (CSN)	Coal Caking Index (CCI)		
		AS RECEIVED BASIS					AIR DRIED BASIS					DRY BASIS			DRY, ASH-FREE BASIS				5:1	3:3	
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Volatile Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)			
1	ETT_SP_10170-1A	2.52	11.47	23.31	62.70	0.89	0.63	11.69	23.76	63.92	0.91	11.77	23.91	64.32	0.92	27.10	72.90	1.04	6.5	84	-
2	ETT_SP_10170-1B	2.98	11.09	22.96	62.97	0.95	0.61	11.36	23.52	64.51	0.97	11.43	23.66	64.90	0.98	26.72	73.28	1.11	6.5	81	-
3	ETT_SP_10170-1C	2.91	10.78	23.73	62.36	0.72	0.59	11.04	24.30	64.07	0.74	11.11	24.44	64.45	0.74	27.49	72.51	0.83	6.5	84	-
4	ETT_SP_10170-2A	3.91	17.43	20.12	58.54	1.05	0.49	18.05	20.83	60.63	1.09	18.14	20.93	60.93	1.09	25.57	74.43	1.34	5.5	67	-
5	ETT_SP_10170-2B	3.72	14.88	20.86	60.54	0.81	0.57	15.37	21.54	62.52	0.84	15.45	21.66	62.88	0.85	25.62	74.38	1.00	6.5	74	-
6	ETT_SP_10170-2C	3.18	17.07	20.97	58.78	1.05	0.52	17.54	21.54	60.40	1.08	17.63	21.66	60.71	1.09	26.29	73.71	1.32	6.5	75	-
7	ETT_SP_10170-3A	3.09	13.33	21.56	62.03	1.00	0.47	13.69	22.14	63.70	1.05	13.75	22.24	64.00	1.06	25.79	74.21	1.22	6.5	81	-
8	ETT_SP_10170-3B	4.25	16.36	20.40	59.00	1.11	0.51	17.00	21.19	61.30	1.15	17.08	21.30	61.62	1.16	25.69	74.31	1.40	6.5	77	-
9	ETT_SP_10170-3C	4.97	14.25	20.69	60.09	1.15	0.40	14.94	21.68	62.98	1.21	15.00	21.77	63.23	1.21	25.61	74.39	1.43	6.0	75	-
10	ETT_SP_10170-4A	3.77	14.57	20.84	60.83	0.92	0.52	15.06	21.54	62.88	0.95	15.14	21.65	63.21	0.95	25.51	74.49	1.12	6.0	68	-
11	ETT_SP_10170-4B	3.33	15.83	20.70	60.14	1.13	0.53	16.29	21.30	61.89	1.16	16.38	21.41	62.21	1.17	25.60	74.40	1.39	6.0	72	-
12	ETT_SP_10170-4C	3.33	14.78	20.82	61.07	0.76	0.57	15.20	21.41	62.82	0.99	15.29	21.53	63.18	0.99	25.42	74.58	1.17	6.0	74	-
13	ETT_SP_10170-5A	3.37	16.10	21.07	59.46	1.13	0.52	16.57	21.69	61.21	1.17	16.66	21.81	61.53	1.17	26.17	73.83	1.41	5.5	67	-
14	ETT_SP_10170-5B	3.65	16.73	20.52	59.10	1.69	0.49	17.28	21.19	61.04	1.75	17.37	21.30	61.33	1.76	25.77	74.23	2.13	5.5	66	-
15	ETT_SP_10170-5C	3.31	14.29	21.80	60.60	1.30	0.59	14.70	22.41	62.30	1.34	14.78	22.55	62.67	1.34	26.46	73.54	1.58	6.5	78	-
16	ETT_SP_10170-6A	3.22	15.97	22.18	58.42	1.21	0.53	16.42	22.80	60.25	1.24	16.51	22.92	60.57	1.25	27.45	72.55	1.49	6.5	75	-
17	ETT_SP_10170-6B	3.68	18.95	20.54	56.83	1.49	0.58	19.56	21.20	58.66	1.53	19.67	21.32	59.00	1.54	26.55	73.45	1.92	5.5	65	-

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSW-60/23	ASH	VOL	TSUL
Certified Value	13.67	20.55	0.620
Standard Deviation	0.056	0.137	0.0144
Unit	%	%	%
Analyzed value	10.68	20.57	0.619

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



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



