
COAL QUALITY SPECIFICATION

Nº ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL MOISTURE (ar) 3.86% (-2.0; +2.0)	ASH (db) 21.0% (-5.0; +5.0)	VOLATILE MATTER (daf) 33.0% (-2.0; +2.0)
TOTAL SULPHUR (db) 0.91 (-0.5; +0.5)	G INDEX 70 (-10.0; +10.0)	QUANTITY 128.0 THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC

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CERTIFICATE OF ANALYSIS
231272-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidaev 8
1st khoroos, Chingelhei District
Ulaanbaatar, Mongolia
ATTN: Galtzaya B
PROJECT NO.: xxx
LAB. JOB NO.: 231272-TT
NO. SAMPLES: 16
Notes/Comments: xxx

SAMPLES RECEIVED: 30/Sep/23
INSTRUCTIONS RECEIVED: 30/Sep/23
DATE OF REPORT: 01/Oct/23
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 01/Oct/23
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1; COOKING COAL, CSN
TM, ASH, MOS, VOL,
TSUL, CKN

APPROVED BY: Laboratory Manager



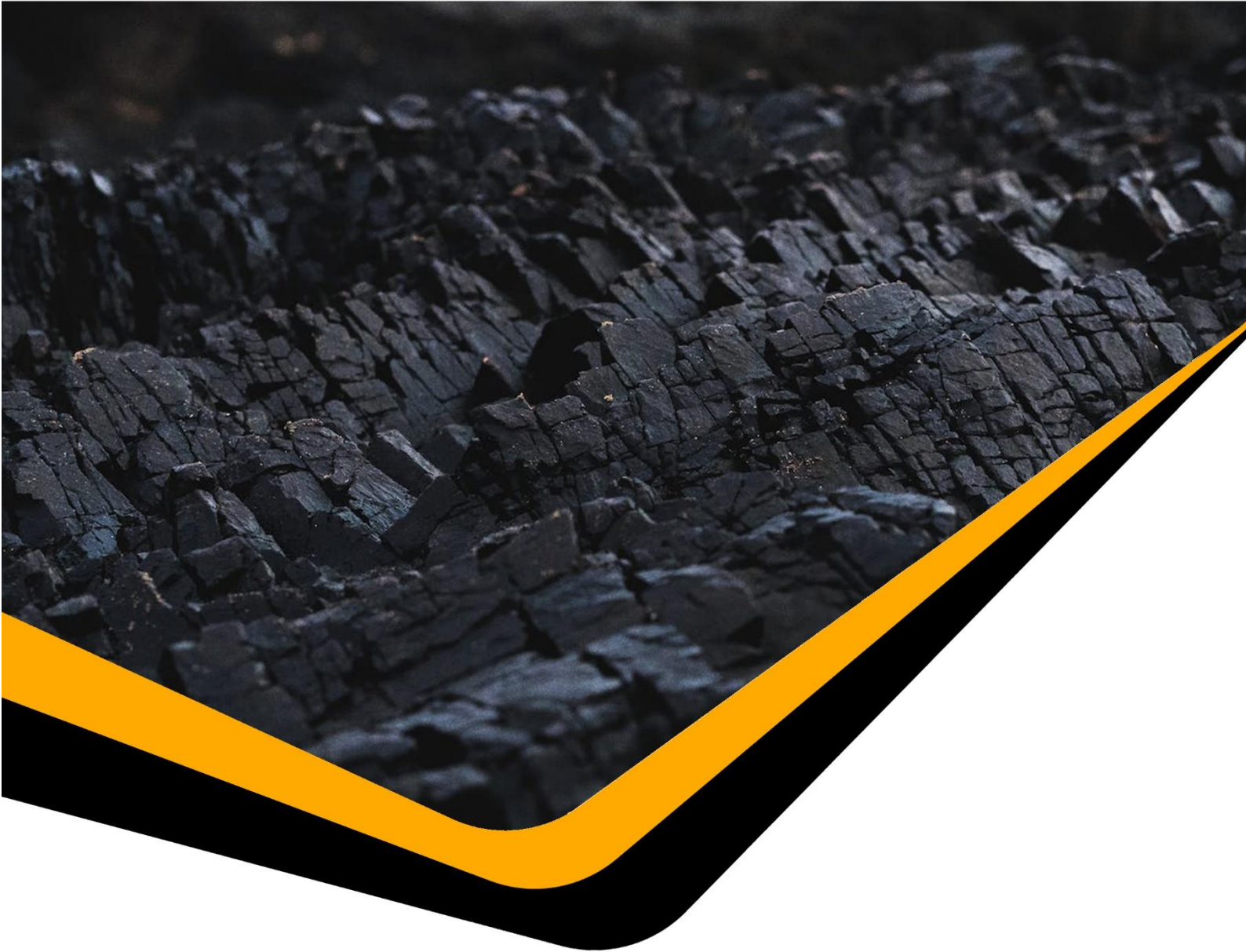
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS				AIR DRIED BASIS				DRY BASIS				DRY, ASH-FREE BASIS				Crucible Swelling Number (CSN)	Coal Caking Index (CCI)		
		GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	GB/T 212	ISO 19579			GB/T 5448	GB/T 5447
		%																			
1	ETT_SP_20005_RS-1-1	3.44	25.92	22.65	47.99	1.09	0.98	26.58	23.22	49.21	1.11	26.84	23.46	49.70	1.13	32.06	67.94	1.54	4.0	50	3:3
2	ETT_SP_20005_RS-1-2	3.93	26.59	22.64	46.82	1.25	1.00	27.40	23.35	48.25	1.29	27.68	23.59	48.73	1.30	32.62	67.38	1.80	4.0	53	-
3	ETT_SP_20005_RS-1-3	3.84	15.79	25.42	54.95	0.87	1.04	16.25	26.16	56.55	0.90	16.42	26.43	57.14	0.91	31.63	68.37	1.08	5.0	64	-
4	ETT_SP_20005_RS-1-4	3.65	14.98	26.19	55.18	0.61	1.06	15.36	26.90	56.66	0.62	15.54	27.19	57.27	0.63	32.19	67.81	0.75	5.5	69	-
5	ETT_SP_20005_RS-1-5	3.39	20.55	25.26	49.80	1.12	0.96	21.06	26.92	51.06	1.15	21.27	27.18	51.55	1.16	34.52	65.48	1.47	5.0	59	-
6	ETT_SP_20005_RS-2-1	4.11	23.90	23.94	48.05	0.82	1.14	24.64	24.68	49.54	0.84	24.92	24.97	50.11	0.85	33.26	66.74	1.13	4.5	47	-
7	ETT_SP_20005_RS-2-2	4.09	17.52	26.14	52.25	0.80	1.16	18.06	26.94	53.84	0.82	18.27	27.26	54.48	0.83	33.35	66.65	1.02	4.5	56	-
8	ETT_SP_20005_RS-2-3	4.21	17.23	25.50	53.07	0.77	1.14	17.78	26.31	54.77	0.79	17.98	26.62	55.40	0.80	32.45	67.55	0.98	4.5	53	-
9	ETT_SP_20005_RS-2-4	4.07	18.15	25.98	51.79	0.90	1.04	18.72	26.80	53.43	0.93	18.92	27.09	53.99	0.94	33.41	66.59	1.16	5.0	60	-
10	ETT_SP_20005_RS-3-1	3.58	19.78	25.02	51.63	0.94	1.11	20.28	25.66	52.95	0.97	20.51	25.95	53.54	0.98	32.64	67.36	1.23	5.0	57	-
11	ETT_SP_20005_RS-3-2	3.26	21.74	25.18	49.82	0.91	1.02	22.25	25.76	50.98	0.93	22.48	26.03	51.50	0.94	33.57	66.43	1.22	5.0	55	-
12	ETT_SP_20005_RS-3-3	4.01	18.88	24.71	52.39	0.75	1.22	19.43	25.43	53.92	0.77	19.67	25.75	54.58	0.78	32.05	67.95	0.97	5.0	53	-
13	ETT_SP_20005_RS-3-4	4.25	14.53	27.29	53.92	0.67	1.27	14.99	28.14	55.60	0.69	15.18	28.50	56.32	0.70	33.60	66.80	0.82	5.5	61	-
14	ETT_SP_20005_RS-4-1	4.04	18.01	26.59	51.36	0.85	1.08	18.57	27.41	52.94	0.88	18.77	27.71	53.52	0.89	34.11	65.89	1.09	5.5	64	-
15	ETT_SP_20005_RS-4-2	3.77	14.60	27.16	54.46	0.73	1.27	14.98	27.87	55.87	0.75	15.18	28.23	56.59	0.76	33.28	66.72	0.89	5.5	60	-
16	ETT_SP_20005_RS-4-3	3.96	16.78	25.99	53.27	1.00	1.13	17.27	26.76	54.83	1.03	17.47	27.06	55.46	1.04	32.79	67.21	1.26	5.5	63	-

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDA/SWS-30/21	ASH	VOL	TSUL
Certified Value	10.70	20.35	0.606
Standard Deviation	0.0159	0.204	0.0136
Unit	%	%	%
Analyzed value	10.69	20.36	0.606

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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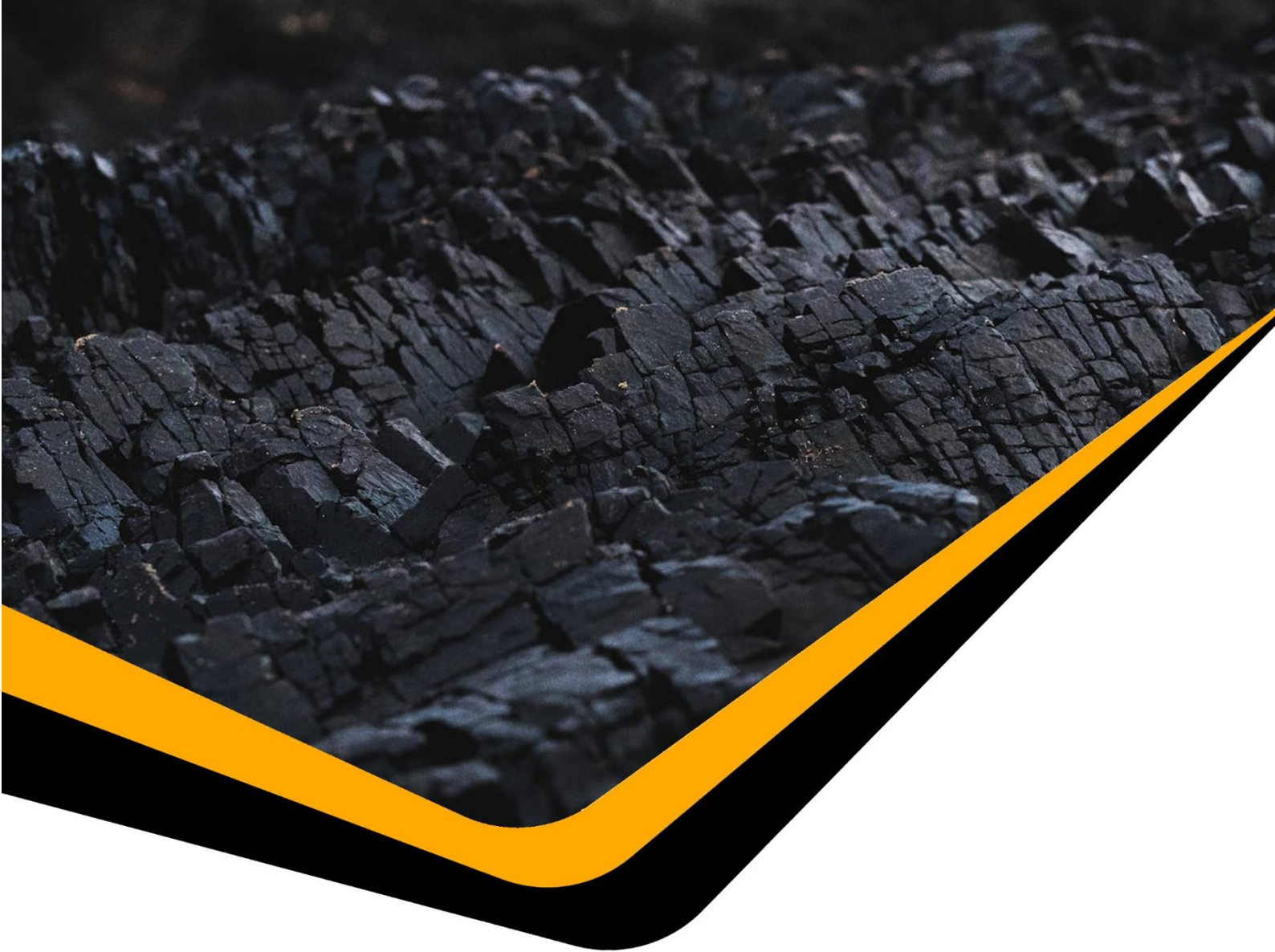


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