



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

ДОТООД ЧИЙГ (ad)

1.0%

max

ҮНСЛЭГ (db)

13.0%

(-3.0; +3.0)

ДЭГДЭМХИЙ (daf)

26.0%

(-2.0; +2.0)

НИЙТ ХҮХЭР (ad)

≤1.5%

БАРЬЦАЛДАХ
ЧАНАР

≥75.0

НҮҮРСНИЙ
ХЭМЖЭЭ

480.0

МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
Mongol National Building, 2nd floor
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007467



CERTIFICATE OF ANALYSIS
23F115, G06, 25, 41, 182, H21-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidjav-8
1st khoroo, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Bilguunmantel S
PROJECT NO. xxx
LAB. JOB NO. 23F115, G06, 25, 41, 182, H21-TT
NO. SAMPLES: 16
Notes/Comments: xxx

SAMPLES RECEIVED: 03/08/2023-24/06/2023
INSTRUCTIONS RECEIVED: 03/08/2023-24/06/2023
DATE OF REPORT: 04/08/2023-25/06/2023
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 04/08/2023-25/06/2023
PREPARATION CODE: CRUSH-01, 02, MILL-01
ANALYSIS CODE: 1. COKING COAL CSN
TM, ASH, MOIS, VOL,
TSUL, CSN, CKN

APPROVED BY: Laboratory Manager
Checked by: Quality Manager
Checked by: Chief Chemist

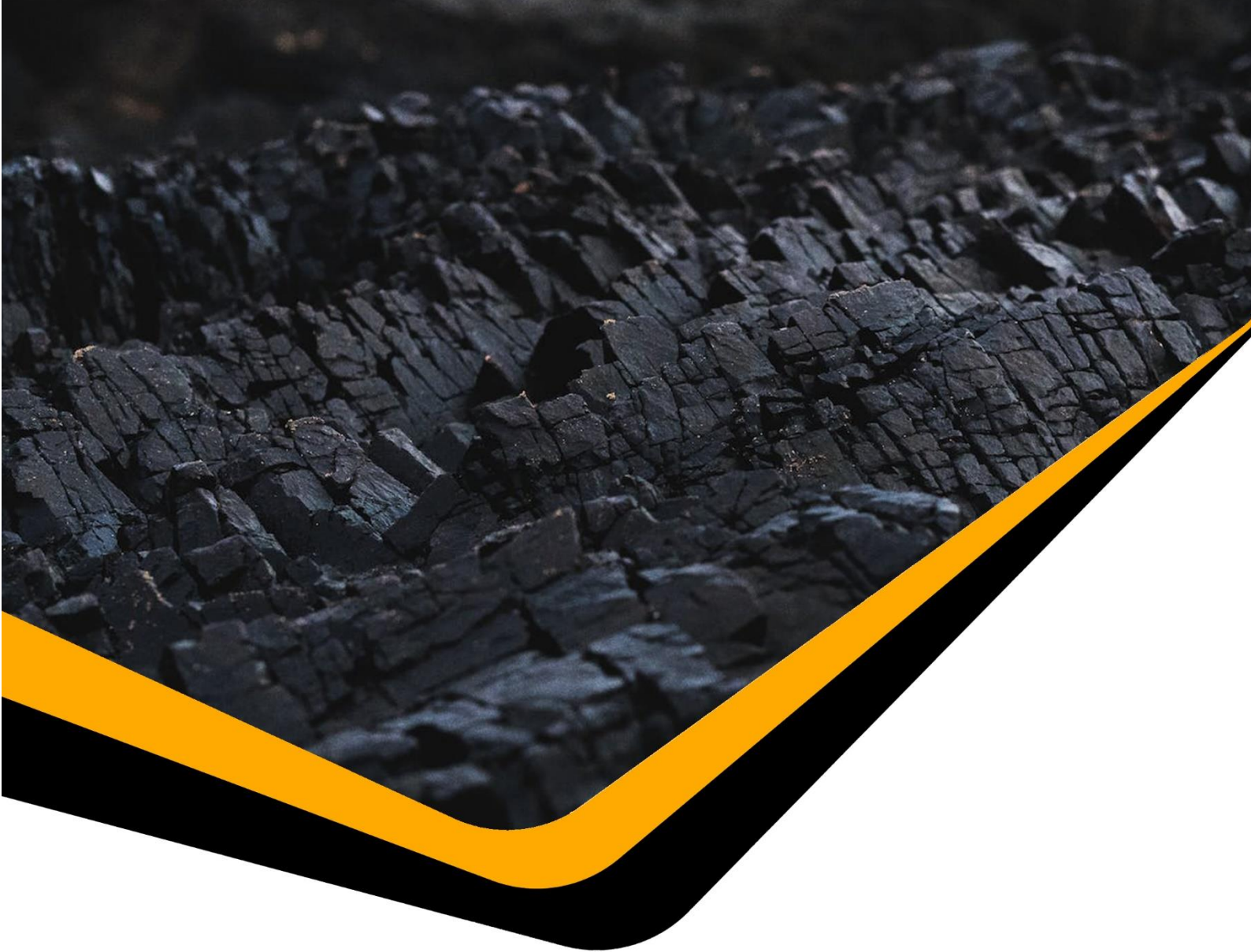
These test results are representative only of the sample received in the laboratory.

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS					DRY BASIS					Cocculle Swelling Number (CSN)	Coal Caking Index (CKIN)		
		GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 212	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 212	GB/T 212	ISO 19579		GB/T 5448	GB/T 5447	Sc1
1	ETT_SP_10049-T-1A	5.42	14.14	23.85	56.59	0.71	0.63	14.86	25.06	59.46	0.75	14.95	25.22	59.83	0.75	29.65	70.35	0.89	6.5	79	-	-	-	-	-
2	ETT_SP_10049-T-1B	5.81	12.37	24.44	57.38	0.74	0.73	13.04	25.75	60.48	0.78	13.14	25.94	60.92	0.78	29.87	70.13	0.90	7.0	86	-	-	-	-	-
3	ETT_SP_10049-T-1C	4.50	11.72	24.91	58.87	0.67	0.80	12.17	25.88	61.15	0.69	12.27	26.09	61.64	0.70	29.74	70.26	0.80	6.5	84	-	-	-	-	-
4	ETT_SP_10057-2A	1.68	12.09	26.49	59.74	1.09	0.64	12.22	26.77	60.37	1.10	12.30	26.94	60.76	1.11	30.72	69.28	1.27	8.0	91	-	-	-	-	-
5	ETT_SP_10057-2B	1.77	11.41	26.55	60.27	0.73	0.65	11.54	26.85	60.96	0.74	11.61	27.03	61.36	0.75	30.58	69.42	0.84	8.0	93	-	-	-	-	-
6	ETT_SP_10057-2C	2.01	13.73	25.54	58.62	0.56	0.74	13.91	25.97	59.38	0.57	14.01	26.16	59.82	0.57	30.43	69.57	0.66	8.0	89	-	-	-	-	-
7	ETT_SP_10057-3A	2.61	12.71	23.32	61.36	0.60	0.62	12.97	23.79	62.42	0.61	13.05	23.94	63.01	0.62	27.53	72.47	0.71	6.5	77	-	-	-	-	-
8	ETT_SP_10057-3B	2.70	12.36	24.02	60.92	0.60	0.65	12.62	24.52	62.21	0.62	12.70	24.68	62.61	0.62	28.27	71.73	0.71	6.5	78	-	-	-	-	-
9	ETT_SP_10057-3C	2.96	10.42	23.93	62.69	0.55	0.59	10.67	24.51	64.22	0.56	10.74	24.66	64.60	0.57	27.62	72.38	0.63	7.0	85	-	-	-	-	-
10	ETT_SP_10057-4A	2.10	12.79	24.04	59.08	0.72	0.86	12.95	23.37	59.82	0.73	13.06	24.59	60.34	0.74	30.59	69.41	0.85	7.0	86	-	-	-	-	-
11	ETT_SP_10057-4B	2.18	13.22	25.40	59.21	0.57	0.81	13.40	25.75	60.04	0.58	13.51	25.96	60.53	0.58	30.02	69.98	0.67	7.0	87	-	-	-	-	-
12	ETT_SP_10057-4C	2.35	14.92	24.88	57.85	0.70	0.94	15.13	25.24	58.69	0.71	15.28	25.48	59.24	0.72	30.08	69.92	0.84	7.0	83	-	-	-	-	-
13	ETT_SP_10057-5A	1.64	13.49	25.89	58.98	1.01	0.46	13.65	26.20	59.69	1.02	13.71	26.32	59.96	1.03	30.51	69.49	1.19	6.5	82	-	-	-	-	-
14	ETT_SP_10057-5B	1.86	14.65	25.14	58.34	0.89	0.43	14.87	25.51	59.19	0.90	14.93	25.62	59.45	0.91	30.12	69.88	1.07	6.5	80	-	-	-	-	-
15	ETT_SP_10057-5A	1.66	10.53	26.18	61.62	1.05	0.70	10.64	26.44	62.23	1.06	10.71	26.62	62.67	1.07	29.82	70.18	1.19	7.5	89	-	-	-	-	-
16	ETT_SP_10057-6B	1.82	10.69	26.47	61.02	1.15	0.72	10.81	26.77	61.70	1.17	10.89	26.96	62.15	1.17	30.25	69.75	1.32	7.5	92	-	-	-	-	-

QUALITY ASSURANCE/QUALITY CONTROL DATA

STD/ALSWS-23/20	ASH	VOL	TSUL
Certified Value	10.88	18.16	0.618
Standard Deviation	0.05	0.16	0.017
Unit	%	%	%
Analyzed value	10.87	18.20	0.620

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



www.ett.mn



75055555
1800-1072



Финанс төв, 1-р хороо,
Чингэлтэй дүүрэг,
Улаанбаатар хот

