



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_CC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

<p>НИЙТ ЧИЙГ (ar)</p> <p>2.5%</p> <p>(-2.0; +2.0)</p>	<p>ҮНСЛЭГ (db)</p> <p>17.5%</p> <p>(-3.0; +3.0)</p>	<p>ДЭГДЭМХИЙ (daf)</p> <p>29.8%</p> <p>(-2.0; +2.0)</p>
<p>НИЙТ ХҮХЭР (db)</p> <p>1.0%</p> <p>(-0.5; +0.5)</p>	<p>БАРЬЦАЛДАХ ЧАНАР</p> <p>80.0</p> <p>(-10; +10)</p>	<p>ОВООЛГЫН ХЭМЖЭЭ</p> <p>256.0</p> <p>МЯН.ТН</p>

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC
Mongol National Building, 2nd Floor
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007667



CERTIFICATE OF ANALYSIS
23A17-36-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjiddav-8
1st khovoo, Chingeltei District
Ulaanbaatar, Mongolia
ATTN: Bilguunmaia/S, Erdenebilegt.E
PROJECT NO. xxx
LAB. JOB NO. 23A17-36-TT
NO. SAMPLES: 16
Notes/Comments: xxx

SAMPLES RECEIVED: 6-13/01/2023
INSTRUCTIONS RECEIVED: 6-13/01/2023
DATE OF REPORT: 7-14/01/2023
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 7-14/01/2023
PREPARATION CODE: CRUSH-01_02-MLL-G1
ANALYSIS CODE: 1.1_COKING COAL
TM, ASH, MOIS, VOL,
TSUL, CSN, COKIN

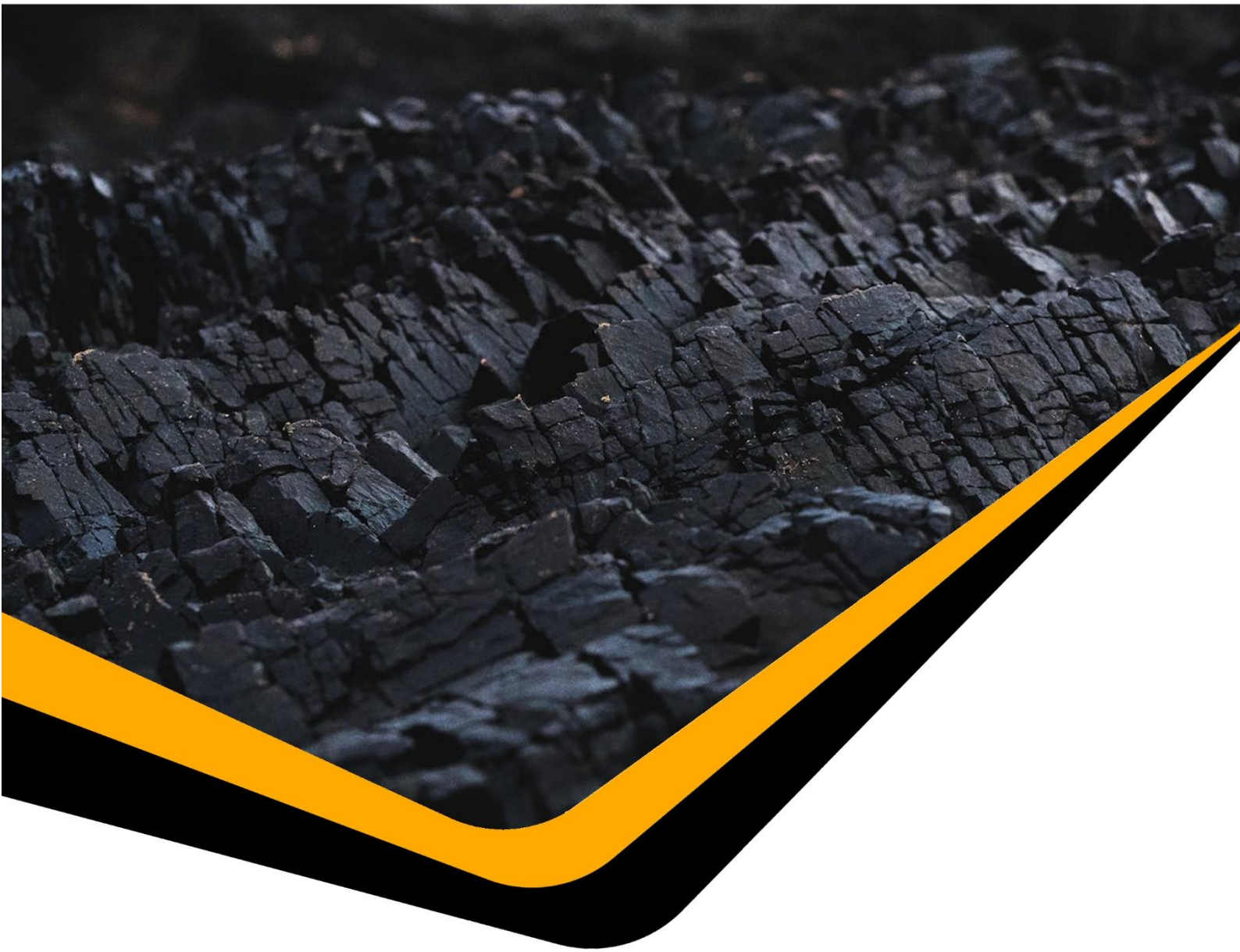
APPROVED BY: Laboratory Manager
Checked by: Chief Chemist

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

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS										Curing Swelling Number (CSN)	Coal Caking Index (COKIN)	
		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 5446	GB/T 5447					
1	ESS-23-2cop-1A-43	3.99	14.67	20.39	60.94	1.51	0.57	15.19	21.12	63.12	1.56	15.28	21.24	63.48	1.57	25.07	74.93	1.86	6.5	80	-			
2	ESS-23-2cop-1B-44	3.94	10.94	21.27	63.85	0.76	0.61	11.32	22.00	66.06	0.79	11.39	22.14	66.47	0.80	24.99	75.01	0.90	7.0	87	-			
3	ESS-23-2cop-1C-46	5.13	10.86	21.17	62.83	0.62	0.52	11.39	22.20	65.89	0.65	11.45	22.32	66.23	0.65	25.20	74.80	0.74	7.0	81	-			
4	ESS-23-2cop-1D-47	6.43	10.44	21.07	62.07	0.62	0.55	11.09	22.39	65.96	0.66	11.15	22.52	66.33	0.67	25.34	74.66	0.75	7.5	86	-			
5	ESS-23-2cop-2A-48	5.92	14.42	20.26	60.51	1.10	0.66	15.08	21.19	63.07	1.15	15.18	21.33	63.49	1.15	25.15	74.85	1.36	6.5	82	-			
6	ESS-23-2cop-2B-49	5.77	14.03	20.44	59.76	0.80	0.58	14.80	21.57	63.05	0.85	14.89	21.70	63.42	0.85	25.89	74.51	1.00	7.0	86	-			
7	ESS-23-2cop-2C-50	5.16	15.71	20.11	59.02	1.49	0.55	16.48	21.09	61.89	1.54	16.57	21.21	62.23	1.57	25.42	74.58	1.88	6.0	79	-			
8	ESS-23-2cop-2D-51	4.31	14.67	20.71	60.31	0.82	0.58	15.24	21.52	62.66	0.85	15.33	21.64	63.03	0.86	25.56	74.44	1.01	6.5	84	-			
9	ESS-23-2cop-3A-52	3.44	17.54	20.42	58.60	0.67	0.61	18.05	21.02	60.32	0.69	18.16	21.15	60.69	0.70	25.84	74.16	0.85	6.5	81	-			
10	ESS-23-2cop-3B-53	3.27	14.64	20.42	61.67	0.66	0.63	15.04	20.98	63.36	0.69	15.13	21.11	63.76	0.68	24.87	75.13	0.80	6.0	75	-			
11	ESS-23-2cop-3C-54	3.46	15.35	20.52	60.67	0.80	0.40	15.80	21.13	62.47	0.82	15.90	21.26	62.84	0.83	25.29	74.72	0.96	6.5	77	-			
12	ESS-23-2cop-3D-55	3.36	18.31	20.37	57.96	0.78	0.57	18.84	20.96	59.63	0.80	18.95	21.08	59.97	0.80	26.00	74.00	0.99	6.0	74	-			
13	ESS-23-2cop-4A-59	2.89	13.55	21.15	62.40	0.64	0.54	13.88	21.66	63.92	0.66	13.96	21.78	64.26	0.66	25.31	74.69	0.77	7.0	84	-			
14	ESS-23-2cop-4B-60	3.52	11.76	21.10	63.82	0.69	0.52	12.10	21.71	65.66	0.71	12.17	21.82	66.01	0.71	24.65	75.15	0.81	7.0	81	-			
15	ESS-23-2cop-4C-61	3.64	11.84	21.06	63.47	0.66	0.52	12.22	21.74	65.52	0.68	12.29	21.85	65.87	0.68	24.91	75.09	0.78	6.5	77	-			
16	ESS-23-2cop-4D-62	3.57	13.45	20.75	62.23	0.77	0.70	13.85	21.37	64.08	0.79	13.95	21.52	64.53	0.80	25.01	74.99	0.93	7.0	81	-			

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALWS-23/20	ASH	VOL	TSUL
Certified Value	10.85	18.16	0.616
Standard Deviation	0.08	0.16	0.017
Unit	%	%	%
Analyzed value	10.83	18.05	0.618
Analyzed value	10.81	18.08	0.618
Analyzed value	10.85	18.17	0.618
Analyzed value	10.85	18.14	0.617



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015