



---

# НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

---

№ ETT\_SP\_SSC

---



ISO 45001:2018

---



ISO 9001:2015

---



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

<p><b>НИЙТ ЧИЙГ (ar)</b></p> <p><b>4.0%</b></p> <p>(-2.0; +2.0)</p>	<p><b>ҮНСЛЭГ (db)</b></p> <p><b>20.0%</b></p> <p>(-5.0; +5.0)</p>	<p><b>ДЭГДЭМХИЙ (daf)</b></p> <p><b>34.0%</b></p> <p>(-2.0; +2.0)</p>
<p><b>НИЙТ ХҮХЭР (db)</b></p> <p><b>1.0%</b></p> <p>(-0.5; +0.5)</p>	<p><b>БАРЬЦАЛДАХ ЧАНАР</b></p> <p><b>73.0</b></p> <p>(-10.0; +10.0)</p>	<p><b>НҮҮРСНИЙ ХЭМЖЭЭ</b></p> <p><b>128.0</b></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 007867



CERTIFICATE OF ANALYSIS  
24A157, A196, A213, A254, A259-TT

**CLIENT:** Erdenes Tavan Tolgoi JSC  
**ADDRESS:** Finance Center, Jigjidaa-4  
1st floor, Chingelhel District  
Ulaanbaatar, Mongolia  
**ATTN:** Munkhtul.G  
**PROJECT NO.:** xxx  
**LAB. JOB NO.:** 24A157, A196, A213, A254, A259-TT  
**NO. SAMPLES:** 9  
**Notes/Comments:** xxx

**SAMPLES RECEIVED:** 21/01/2024 31/01/2024  
**INSTRUCTIONS RECEIVED:** 21/01/2024 31/01/2024  
**DATE OF REPORT:** 22/01/2024 1/02/2024  
**STATUS OF REPORT:** FINAL  
**ANALYSIS COMPLETE:** 22/01/2024 1/02/2024  
**PREPARATION CODE:** CSPSC, CSPC, CSPG  
**ANALYSIS CODE:** 1. COOKING COAL, CSN  
TM, MOIS, ASH, VOL,  
TSUL, CCKI, CCKIN

APPROVED BY:

Quality Manager - 2  
*P. Oyuyun*  
CHECKED BY: Chief Chemist

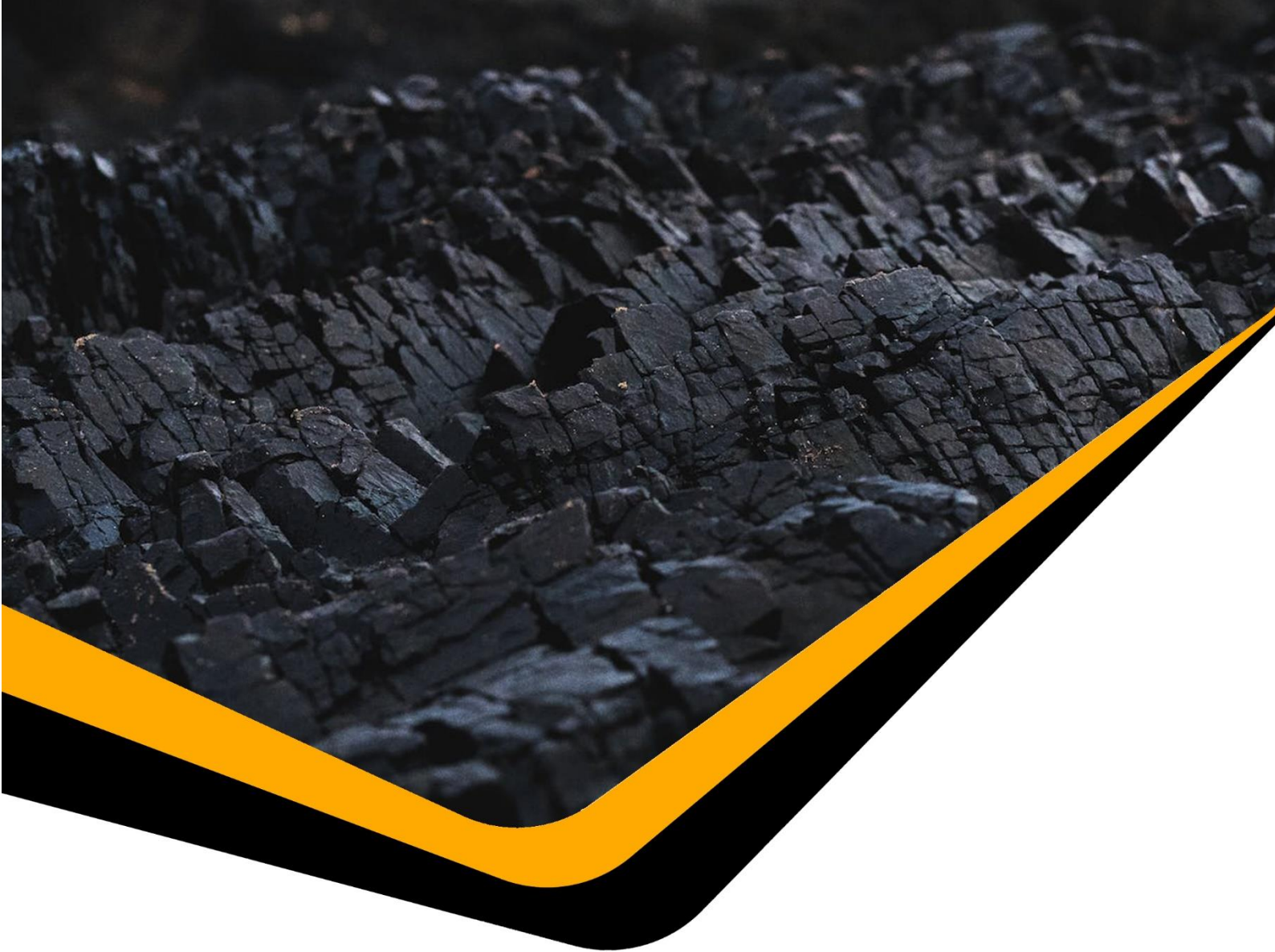
These test results are representative only of the samples received in the laboratory.

LAB NO.	SAMPLE NO.	STANDARD METHOD		AS RECEIVED BASIS										AIR DRIED BASIS										DRY BASIS										Crucible Swelling Number (CSN)	Coal Caking Index (CCKI)	
		GB/T 211	GB/T 212	Total Moisture (TM)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Ash (ASH)	Volatiles Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Volatiles Matter (VOL)	Fixed Carbon	Total Sulphur (TSUL)	Volatiles Matter (VOL)	Fixed Carbon	GB/T 211	GB/T 212	ISO 15579	GB/T 211	GB/T 212	ISO 15579	GB/T 5448	GB/T 5447						
1	ETT_SP_20030-1A	5.32	15.95	27.37	51.36	0.89	0.73	16.72	28.70	53.85	0.93	16.85	28.91	54.25	0.94	34.76	65.24	1.13	6.5	75	-	-	-	-	-	-	-	-	-	-	-	-				
2	ETT_SP_20030-1B	5.59	15.78	27.38	51.25	1.21	0.82	16.58	28.77	53.84	1.27	16.71	29.00	54.28	1.28	34.83	65.17	1.54	6.5	74	-	-	-	-	-	-	-	-	-	-	-	-				
3	ETT_SP_20030-1C	5.63	15.13	27.71	51.53	0.88	0.88	15.89	29.10	54.12	0.92	16.03	29.36	54.60	0.93	34.97	65.03	1.11	6.5	78	-	-	-	-	-	-	-	-	-	-	-	-				
4	ETT_SP_20030-2A	4.31	14.45	27.56	53.67	0.90	0.59	15.02	28.63	55.76	0.94	15.11	28.80	56.09	0.94	33.93	66.07	1.11	6.0	75	-	-	-	-	-	-	-	-	-	-	-	-				
5	ETT_SP_20030-2B	4.21	17.47	26.59	51.63	1.08	0.60	16.13	27.69	53.58	1.12	18.24	27.86	53.90	1.13	34.07	65.93	1.38	5.5	72	-	-	-	-	-	-	-	-	-	-	-	-				
6	ETT_SP_20030-3A	3.42	16.15	27.85	53.57	0.87	0.63	16.62	28.66	54.09	0.89	16.73	28.84	54.43	0.90	34.63	65.37	1.08	6.0	74	-	-	-	-	-	-	-	-	-	-	-	-				
7	ETT_SP_20030-3B	3.75	15.45	27.54	53.25	0.85	0.61	15.96	28.44	55.00	0.88	16.06	28.61	55.33	0.89	34.09	65.91	1.06	6.0	72	-	-	-	-	-	-	-	-	-	-	-	-				
8	ETT_SP_20030-4A	3.04	14.37	28.77	53.82	0.71	0.75	14.71	29.45	55.09	0.72	14.82	29.67	55.51	0.73	34.84	65.16	0.86	6.0	78	-	-	-	-	-	-	-	-	-	-	-	-				
9	ETT_SP_20030-4B	4.34	11.68	28.09	55.89	0.54	0.79	12.12	29.13	57.96	0.58	12.21	29.36	58.42	0.56	33.45	66.55	0.64	6.5	78	-	-	-	-	-	-	-	-	-	-	-	-				

QUALITY ASSURANCE/QUALITY CONTROL DATA

STD/MS-49/23	ASH	VOL	TSUL
Certified Value	10.67	20.55	0.620
Standard Deviation	0.056	0.137	0.0144
Unit:	%	%	%
Analyzed value	10.69	20.53	0.617





ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



[www.ett.mn](http://www.ett.mn)



75055555  
1800-1072



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

