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# НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

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№ ETT\_SP\_SSC

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ISO 45001:2018

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ISO 9001:2015

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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>19.5%</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>1.2%</b></p> <p>(-0.5; +0.5)</p>	<p><b>БАРЬЦАЛДАХ ЧАНАР</b></p> <p><b>75.0</b></p> <p>(-10.0; +10.0)</p>	<p><b>НҮҮРСНИЙ ХЭМЖЭЭ</b></p> <p><b>1504.0</b></p> <p>МЯН.ТН</p>

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

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



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

**CLIENT:** Erdenes Tavan Tolgoi JSC  
**ADDRESS:** Finance Center, Jigjidjav-8  
Tat Khairon, Chingelien 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\_COKING COAL\_CSN  
TM, MOIS, ASH, VOL,  
TSUL, GCV, OKIN

APPROVED BY:

Quality Manager - 2  
*[Signature]*  
CHECKED BY: Chief Chemist

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

LAB NO.	SAMPLE NO.	STANDARD METHOD																Crescible Swelling Number (CSN)	Coal Caking Index (CKI)		
		AS RECEIVED BASIS				AIR DRIED BASIS				DRY BASIS				GB/T 5447							
		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)	Fixed Carbon				Total Sulphur (TSUL)
%																		8:1	3:3		
1	ETT_SP_20030-1A	5.32	15.95	27.37	51.36	0.89	0.73	16.72	28.70	53.65	0.93	16.65	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	52.67	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	26.69	51.63	1.08	0.60	18.13	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	52.57	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	0.81	15.96	28.44	55.00	0.88	16.66	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	0.64	12.21	29.36	58.42	0.56	33.45	66.55	0.64	6.5	78	-

QUALITY ASSURANCE/QUALITY CONTROL DATA

STD/ALSWS-60/23	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