

**ALS GROUP LLC**

Mongel Nekhmei Building, 19nd khoroo  
Chinggis Avenue, Khan-Uul District  
Ulaanbaatar, Mongolia  
Tel +976 70 007667



**CERTIFICATE OF ANALYSIS**  
**26D223-TT**

**CLIENT:** MUNKH TENUUN ORGIL LLC

**ADDRESS:** Moriton Center, 19st khoroo  
Chinggis Avenue, Khan-Uul District  
Ulaanbaatar, Mongolia

**ATTN:** Tumen-Ulzii.Kh

**PROJECT NO.** xxx

**LAB. JOB NO.** 26D223-TT

**NO. SAMPLES:** 2

**Notes/Comments:** xxx

**SAMPLES RECEIVED:** 20/Apr/26

**INSTRUCTIONS RECEIVED:** 20/Apr/26

**DATE OF REPORT:** 21/Apr/26

**STATUS OF REPORT:** FINAL

**ANALYSIS COMPLETE:** 21/Apr/26

**PREPARATION CODE:** CRUSH-01, 02; MILL-01

**ANALYSIS CODE:** TM, MOIS, ASH, VOL, TSUL,  
GCV, CSN, CKIN

**APPROVED BY:** Laboratory Manager  
B.Bold-Erdene



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

LAB NO.	SAMPLE NO.	STANDARD METHOD				AS RECEIVED BASIS				AIR DRIED BASIS				Gross Calorific Value (GCV) kcal/kg	Total Sulphur (TSUL)	Gross Calorific Value (GCV)					
		GB/T 211	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212				ISO 19579	GB/T 213	GB/T 213		
1	Дунд зэрэг үнсэлтэй сул ноосжих нүүрс	Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	5341	0.49	2.24	23.42	24.96	49.38	0.52	5710
2	Баяжуулсан ноосжих нүүрс	8.55	21.91	23.35	46.19	0.49	6953	1.01	12.57	24.85	61.57	0.59	7300	6953	0.56	1.01	12.57	24.85	61.57	0.59	7300

**QUALITY ASSURANCE/QUALITY CONTROL DATA**

STDALSWS-41/Z5	ASH	VOL	GCV	TSUL
Certified Value	10.93	20.61	7691	0.680
Standard Deviation	0.049	0.076	12	0.007
Unit	%	%	kcal/kg	%
Analyzed value	10.94	20.62	7691	0.677

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LAB NO.	SAMPLE NO.	STANDARD METHOD															
		GB/T 212		GB/T 212		ISO 19579		GB/T 212		ISO 19579		GB/T 213		GB/T 5448		GB/T 5447	
		Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)	Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)	Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)	
1	Дунд зэрэг үнэслэгэж сул коксжих нүүрс	23.95	25.53	50.51	0.53	5841	33.57	66.43	0.70	7681	0.0	5:1	3:3	0.0	-	0	
2	Баржуулсан коксжих нүүрс	12.70	25.10	62.20	0.59	7374	28.75	71.25	0.68	8446	5.0	66	-	5.0	66	-	