

ALS GROUP LLC

Mongol Nakhmel Building, 2nd khoroo
Chinggis Avenue, Khan-Uul District
Ulaanbaatar, Mongolia
Tel +976 70 007667



**CERTIFICATE OF ANALYSIS
24J175-TT**

CLIENT: Tavantolgoi LLC

ADDRESS: Umnugovi, Tsogtsetsii
Tsagaan ovoo bag
Tavantolgoi LLC

ATTN: Dorjsuren.N

PROJECT NO. xxx

LAB. JOB NO. 24J175-TT

NO. SAMPLES: 1

Notes/Comments: xxx

SAMPLES RECEIVED: 18/Oct/24

INSTRUCTIONS RECEIVED: 18/Oct/24

DATE OF REPORT: 21/Oct/24

STATUS OF REPORT: FINAL

ANALYSIS COMPLETE: 19/Oct/24

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

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



APPROVED BY: Laboratory Manager

Quality Manager

CHECKED BY: Chief Chemist

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			ISO 19579		Gross Calorific Value (GCV) kcal/kg
		GB/T 211	GB/T 212	GB/T 212	Ash (ASH)	Volatle Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	GB/T 212	
1	R3-S4-01-01	2.15	19.08	23.48	19.08	23.48	55.29	0.72	6689	0.59	19.38	23.86	56.17	0.73	6796	

QUALITY ASSURANCE/QUALITY CONTROL DATA

STD/ALSWS-40/23	ASH	VOL	GCV	TSUL
Certified Value	10.67	20.55	7696	0.620
Standard Deviation	0.056	0.137	24	0.0144
Unit	%	%	kcal/kg	%
Analyzed value	10.66	20.58	7690	0.620

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LAB NO.	STANDARD METHOD	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)	Crude Swelling Number (CSN)	Coal Caking Index (CKIN)	5:1	75	5:1	75			
1	R3-S4-01-01	19.50	24.00	56.51	0.74	6836	29.81	70.19	0.92	8492	6.0	-	5:1	75	-	-			