

ALS GROUP LLC

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



**CERTIFICATE OF ANALYSIS
24F31-TT**

CLIENT: Tavantolgoi LLC
ADDRESS: Umnugovi, Tsogttsetsii
Tsagaan owoo bag
Tavantolgoi LLC
ATTN: Anar-Erdene.S
PROJECT NO. xxx
LAB. JOB NO. 24F31-TT
NO. SAMPLES: 1
Notes/Comments: xxx

SAMPLES RECEIVED: 05/Jun/24
INSTRUCTIONS RECEIVED: 05/Jun/24
DATE OF REPORT: 25/Jun/24
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 06/Jun/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.

STANDARD METHOD		GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 212	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213
LAB NO.	SAMPLE NO.	AS RECEIVED BASIS					AIR DRIED BASIS						
		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)
		%					kcal/kg	%					kcal/kg
1	R3-S3-01-2024	1.84	13.63	22.89	61.64	0.80	7218	0.53	13.81	23.20	62.47	0.82	7314

QUALITY ASSURANCE/QUALITY CONTROL DATA

STDALSWS-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	10.65	20.58	7690	0.612

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STANDARD METHOD		GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 5448	GB/T 5447		
LAB NO.	SAMPLE NO.	DRY BASIS					DRY, ASH-FREE BASIS					Crucible Swelling Number (CSN)	Coal Caking Index (CKIN)	
		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)				
		%					%						5:1	
1	R3-S3-01-2024	13.88	23.32	62.80	0.82	7353	27.08	72.92	0.95	8538	6.5	77	-	