

ALS GROUP LLC

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



**CERTIFICATE OF ANALYSIS
 25C108-TT**

CLIENT: Tavantolgoi LLC
ADDRESS: Umnugovi, Tsogttsetsii
 Tsagaan ovoo bag
 Tavantolgoi LLC
ATTN: Javkhlanbayar.B
PROJECT NO. xxx
LAB. JOB NO. 25C108-TT
NO. SAMPLES: 1
Notes/Comments: xxx

SAMPLES RECEIVED: 10/Mar/25
INSTRUCTIONS RECEIVED: 10/Mar/25
DATE OF REPORT: 12/Mar/25
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 12/Mar/25
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: 1.3_COKING COAL
 TM, MOIS, ASH, VOL, TSUL,
 GCV, CSN, CKIN

APPROVED BY: Laboratory Manager
[Signature]
 Quality Manager

CHECKED BY: Chief Chemist

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

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS						AIR DRIED BASIS					
		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
		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	S3-07	4.42	12.92	21.45	61.22	0.81	7118	0.52	13.45	22.32	63.71	0.84	7408

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	10.66	20.56	7698	0.619

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LAB NO.	SAMPLE NO.	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	
		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	3:3			
1	S3-07	13.52	22.44	64.04	0.85	7447	25.95	74.05			0.98	8610	6.5