

ALS GROUP LLC

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



**CERTIFICATE OF ANALYSIS
24G08-01-TT**

CLIENT: Tavantolgoi LLC
ADDRESS: Umnugovi, Tsogttsetsii
Tsagaan ovoo bag
Tavantolgoi LLC
ATTN: Dorjsuren.N
PROJECT NO. xxx
LAB. JOB NO. 24G08-01-TT
NO. SAMPLES: 1
Notes/Comments: xxx

SAMPLES RECEIVED: 29/Jun/24
INSTRUCTIONS RECEIVED: 29/Jun/24
DATE OF REPORT: 06/Jul/24
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 06/Jul/24
PREPARATION CODE: CRUSH-01, 02; MILL-01
ANALYSIS CODE: TM, MOIS, ASH, VOL, TSUL,
GCV, 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) | 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 | 1.93 | 14.80 | 22.58 | 60.70 | 0.85 | 7121 | 0.78 | 14.97 | 22.84 | 61.41 | 0.86 | 7204 |

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 | 10.64 | 20.54 | 7681 | 0.617 |

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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) | | | | |
| | | % | | | | | kcal/kg | % | | | kcal/kg | | 5:1 | 3:3 |
| 1 | R3-S3-01 | 15.09 | 23.02 | 61.89 | 0.87 | 7260 | 27.11 | 72.89 | 1.02 | 8550 | 6.0 | 72 | - | |