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# НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

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№ ETT\_SP\_WTC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)

≤9.0%

ҮНСЛЭГ (db)

≤22%

ДЭГДЭМХИЙ (daf)

<37.0%

НИЙТ ХҮХЭР (db)

≤1.0%

ИЛЧЛЭГ (ar)

≥6000

БАРЬЦАЛДАХ  
ЧАНАР

<20.0

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

ALS GROUP LLC  
Mongol Nakhtmel Building, 2nd floor  
Chinggis Avenue, Khan-Uul District  
Ulaanbaatar, Mongolia  
Tel +976 70 007567



CERTIFICATE OF ANALYSIS

25D242,D254,D268,D284,D297,D303,D317,MU25002495,E274,E275,E295,E305,E321,E340,E353-TT

CLIENT: Erdenes Tavantolgoi JSC  
ADDRESS: Finance Center, Jigjidjav-8  
1st khoroo, Chingeltei District  
Ulaanbaatar, Mongolia  
ATTN: Oyunbileg.B  
PROJECT NO. xxx  
LAB. JOB NO. 25D242,D254,D268,D284,D297,D303,D317,MU25002495,E274,E275,E295,E305,E321,E340,E353-TT  
NO. SAMPLES: 15  
Notes/Comments: xxx

SAMPLES RECEIVED: 24/04/2025 19:20  
INSTRUCTIONS RECEIVED: 24/04/2025 19:20  
DATE OF REPORT: 24/04/2025 23:15  
STATUS OF REPORT: FINAL  
ANALYSIS COMPLETE: 24/04/2025 23:15  
PREPARATION CODE: CRUSH-01, 02; MILL-01  
ANALYSIS CODE: 3.1, THERMAL COAL TM, MOIS,  
ASH, VOL, TSUL, GCV, CSM, CEN

APPROVED BY: Laboratory 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                     |                 |           |                       |                   |                      |                             |  |
|                 |                        |                     |           |                       |                   |                      |                             |                 |           |                       |                   |                      |                             |  |
| 1               | CHPP-TC 2025.04.24_com | 3.76                | 19.86     | 18.20                 | 58.17             | 0.80                 | 6473                        | 0.65            | 20.50     | 18.79                 | 60.05             | 0.82                 | 6682                        |  |
| 2               | CHPP-TC 2025.04.25_com | 4.40                | 16.83     | 18.99                 | 59.78             | 0.76                 | 6725                        | 0.62            | 17.49     | 19.74                 | 62.15             | 0.79                 | 6991                        |  |
| 3               | CHPP-TC 2025.04.26_com | 4.38                | 18.24     | 18.52                 | 58.86             | 0.77                 | 6585                        | 0.73            | 18.94     | 19.23                 | 61.11             | 0.80                 | 6836                        |  |
| 4               | CHPP-TC 2025.04.27_com | 4.42                | 18.57     | 18.67                 | 58.34             | 0.78                 | 6596                        | 0.69            | 19.29     | 19.40                 | 60.61             | 0.81                 | 6853                        |  |
| 5               | CHPP-TC 2025.04.28_com | 4.06                | 18.91     | 18.32                 | 58.72             | 0.79                 | 6583                        | 0.71            | 19.57     | 18.96                 | 60.77             | 0.81                 | 6813                        |  |
| 6               | CHPP-TC 2025.04.29_com | 3.71                | 19.61     | 18.19                 | 58.49             | 0.82                 | 6529                        | 0.68            | 20.23     | 18.76                 | 60.33             | 0.84                 | 6735                        |  |
| 7               | CHPP-TC 2025.04.30_com | 4.92                | 18.26     | 18.39                 | 58.43             | 0.79                 | 6537                        | 0.63            | 19.09     | 19.22                 | 61.07             | 0.82                 | 6832                        |  |
| 8               | CHPP-TC 2025.05.23_com | 5.19                | 18.71     | 18.78                 | 57.32             | 0.84                 | 6523                        | 1.05            | 19.53     | 19.60                 | 59.82             | 0.87                 | 6807                        |  |
| 9               | CHPP-TC 2025.05.24_com | 4.27                | 18.83     | 18.83                 | 58.06             | 0.85                 | 6501                        | 0.70            | 19.53     | 19.54                 | 60.23             | 0.88                 | 6744                        |  |
| 10              | CHPP-TC 2025.05.25_com | 4.08                | 20.06     | 18.47                 | 57.39             | 0.90                 | 6416                        | 0.61            | 20.78     | 19.14                 | 59.47             | 0.93                 | 6648                        |  |
| 11              | CHPP-TC 2025.05.26_com | 3.61                | 20.14     | 18.25                 | 58.00             | 0.93                 | 6440                        | 0.66            | 20.75     | 18.81                 | 59.78             | 0.96                 | 6637                        |  |
| 12              | CHPP-TC 2025.05.27_com | 3.54                | 21.65     | 18.11                 | 56.71             | 0.95                 | 6401                        | 0.61            | 22.30     | 18.66                 | 58.43             | 0.98                 | 6595                        |  |
| 13              | CHPP-TC 2025.05.28_com | 3.44                | 21.71     | 18.32                 | 56.53             | 0.89                 | 6332                        | 0.69            | 22.33     | 18.84                 | 58.14             | 0.91                 | 6512                        |  |
| 14              | CHPP-TC 2025.05.29_com | 3.42                | 20.38     | 19.31                 | 56.89             | 0.95                 | 6426                        | 0.60            | 20.98     | 19.87                 | 58.54             | 0.98                 | 6613                        |  |
| 15              | CHPP-TC 2025.05.30_com | 3.00                | 21.58     | 18.53                 | 56.88             | 0.87                 | 6400                        | 0.65            | 22.11     | 18.98                 | 58.26             | 0.89                 | 6555                        |  |

QUALITY ASSURANCE/QUALITY CONTROL DATA

|                    |       |       |         |        |
|--------------------|-------|-------|---------|--------|
| STDALSW5-40/23     | ASH   | VOL   | GCV     | TSUL   |
| Certified Value    | 10.67 | 20.53 | 7596    | 0.628  |
| Standard Deviation | 0.058 | 0.137 | 24      | 0.0144 |
| Unit               | %     | %     | kcal/kg | %      |
| Analyzed value     | 10.66 | 20.57 | 7592    | 0.618  |