ERDENES TAVANTOLGOI
ETT

# НҮҮРСНИЙ ОВООЛГЫН

# ҮЗҮҮЛЭЛТ

№ ETT_SP_SSC

ISO 45001:2018

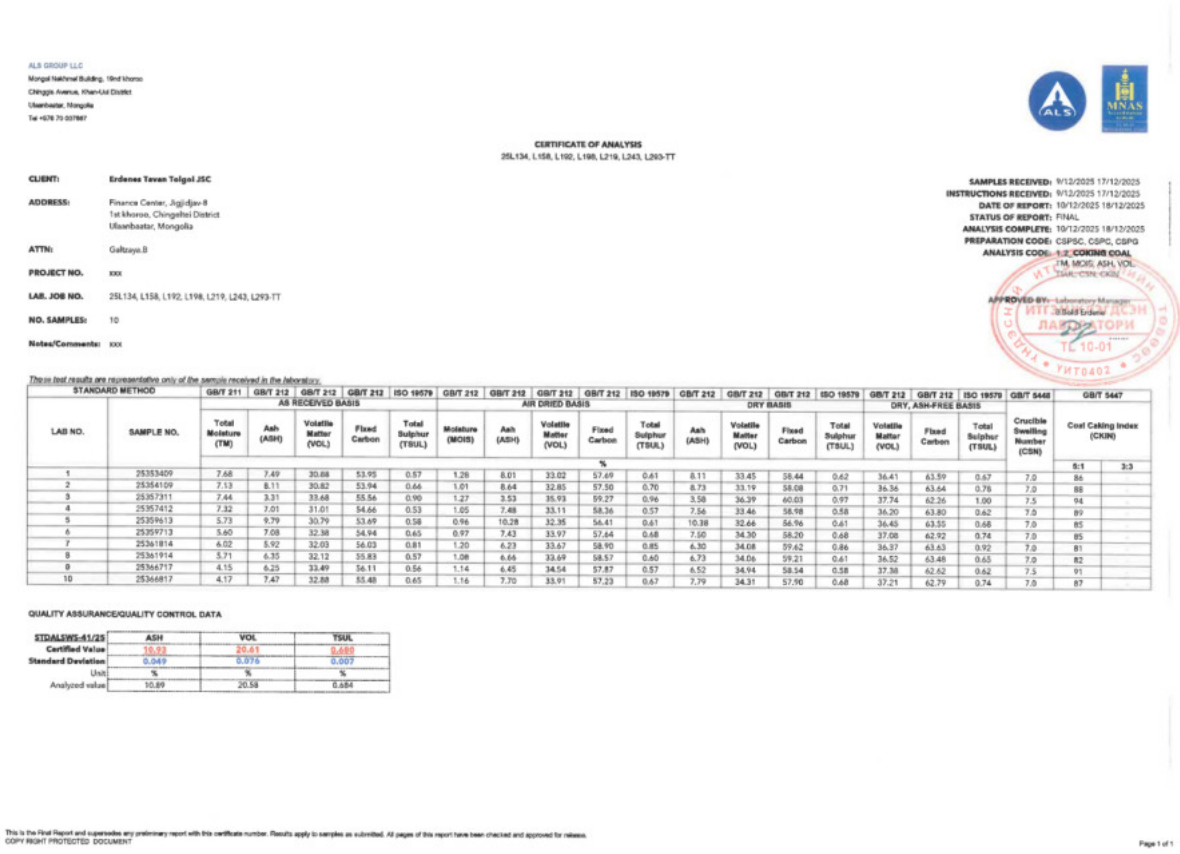
ISO 9001:2015

ISO 14001:2015

## НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

| НИЙТ ЧИЙГ (ar) | ҮНСЛЭГ (db) | ДЭГДЭМХИЙ (daf) |
|---|---|---|
| ≤8.0% | ≤9.0% | >28-37.0% |
| **НИЙТ ХҮХЭР (db)** | **БАРЬЦАЛДАХ ЧАНАР** | **НҮҮРСНИЙ ХЭМЖЭЭ** |
| ≤1.0% | ≥75.0 | 32.0 МЯН.ТН |

## НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН



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CERTIFICATE OF ANALYSIS
25L134, L158, L192, L198, L219, L243, L293-TT

CLIENT: Erdenes Tavan Tolgoi JSC
ADDRESS: Finance Center, Jigjidjav 8, 1st khoroo, Chingeltei District, Ulaanbaatar, Mongolia
ATTN: Galtzaya.B
PROJECT NO. xxx
LAB. JOB NO. 25L134, L158, L192, L198, L219, L243, L293-TT
NO. SAMPLES: 10
Notes/Comments: xxx

SAMPLES RECEIVED: 9/12/2025 17/12/2025
INSTRUCTIONS RECEIVED: 9/12/2025 17/12/2025
DATE OF REPORT: 10/12/2025 18/12/2025
STATUS OF REPORT: FINAL
ANALYSIS COMPLETE: 10/12/2025 18/12/2025
PREPARATION CODE: CSPSC, CSPC, CSPG
ANALYSIS CODE: 1.2 COKING COAL
TM, MOIS, ASH, VOL, TSUL, CSN, CKIN

APPROVED BY: Laboratory Manager

This is test results are representative only of the samples received in the laboratory.

| STANDARD METHOD | | GB/T 211 | GB/T 212 | GB/T 212 | GB/T 212 | ISO 19579 | GB/T 212 | GB/T 212 | GB/T 212 | GB/T 212 | ISO 19579 | GB/T 212 | GB/T 212 | GB/T 212 | ISO 19579 | GB/T 212 | GB/T 212 | ISO 19579 | GB/T 5448 | GB/T 5447 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AS RECEIVED BASIS | | | | | AIR DRIED BASIS | | | | | DRY BASIS | | | | DRY, ASH-FREE BASIS | | | | | |
| LAB NO. | SAMPLE NO. | Total Moisture (TM) | Ash (ASH) | Volatile Matter (VOL) | Fixed Carbon | Total Sulphur (TSUL) | Moisture (MOIS) | Ash (ASH) | Volatile Matter (VOL) | Fixed Carbon | Total Sulphur (TSUL) | Ash (ASH) | Volatile Matter (VOL) | Fixed Carbon | Total Sulphur (TSUL) | Volatile Matter (VOL) | Fixed Carbon | Total Sulphur (TSUL) | Crucible Swelling Number (CSN) | Coal Caking Index (CKIN) | |
| | | % | | | | | | | | | | | | | | | | | | 5:1 | 3:3 |
| 1 | 25353409 | 7.68 | 7.49 | 30.88 | 53.95 | 0.57 | 1.28 | 8.01 | 33.02 | 57.69 | 0.61 | 8.11 | 33.45 | 58.44 | 0.62 | 36.41 | 63.59 | 0.67 | 7.0 | 86 | |
| 2 | 25354109 | 7.13 | 8.11 | 30.82 | 53.94 | 0.66 | 1.01 | 8.64 | 32.85 | 57.50 | 0.70 | 8.73 | 33.19 | 58.08 | 0.71 | 36.36 | 63.64 | 0.78 | 7.0 | 88 | |
| 3 | 25357311 | 7.44 | 3.31 | 33.68 | 55.56 | 0.90 | 1.27 | 3.53 | 35.93 | 59.27 | 0.96 | 3.58 | 36.39 | 60.03 | 0.97 | 37.74 | 62.26 | 1.00 | 7.5 | 94 | |
| 4 | 25357412 | 7.32 | 7.01 | 31.01 | 54.66 | 0.53 | 1.05 | 7.48 | 33.11 | 58.36 | 0.57 | 7.56 | 33.46 | 58.98 | 0.58 | 36.20 | 63.80 | 0.62 | 7.0 | 89 | |
| 5 | 25359613 | 5.73 | 9.79 | 30.79 | 53.69 | 0.58 | 0.96 | 10.28 | 32.35 | 56.41 | 0.61 | 10.38 | 32.66 | 56.96 | 0.61 | 36.45 | 63.55 | 0.68 | 7.0 | 85 | |
| 6 | 25359713 | 5.60 | 7.08 | 32.38 | 54.94 | 0.65 | 0.97 | 7.43 | 33.97 | 57.64 | 0.68 | 7.50 | 34.30 | 58.20 | 0.68 | 37.08 | 62.92 | 0.74 | 7.0 | 85 | |
| 7 | 25361814 | 6.02 | 5.92 | 32.03 | 56.03 | 0.81 | 1.20 | 6.23 | 33.67 | 58.90 | 0.85 | 6.30 | 34.08 | 59.62 | 0.86 | 36.37 | 63.63 | 0.92 | 7.0 | 81 | |
| 8 | 25361914 | 5.71 | 6.35 | 32.12 | 55.83 | 0.57 | 1.08 | 6.66 | 33.69 | 58.57 | 0.60 | 6.73 | 34.06 | 59.21 | 0.61 | 36.52 | 63.48 | 0.65 | 7.0 | 82 | |
| 9 | 25366717 | 4.15 | 6.25 | 33.49 | 56.11 | 0.56 | 1.14 | 6.45 | 34.54 | 57.87 | 0.57 | 6.52 | 34.94 | 58.54 | 0.58 | 37.38 | 62.62 | 0.62 | 7.5 | 91 | |
| 10 | 25366817 | 4.17 | 7.47 | 32.88 | 55.48 | 0.65 | 1.16 | 7.70 | 33.91 | 57.23 | 0.67 | 7.79 | 34.31 | 57.90 | 0.68 | 37.21 | 62.79 | 0.74 | 7.0 | 87 | |

QUALITY ASSURANCE/QUALITY CONTROL DATA

| STDALSWS-41/25 | ASH | VOL | TSUL |
|---|---|---|---|
| Certified Value | 10.93 | 20.41 | 0.680 |
| Standard Deviation | 0.049 | 0.076 | 0.007 |
| Unit | % | % | % |
| Analyzed value | 10.89 | 20.58 | 0.684 |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
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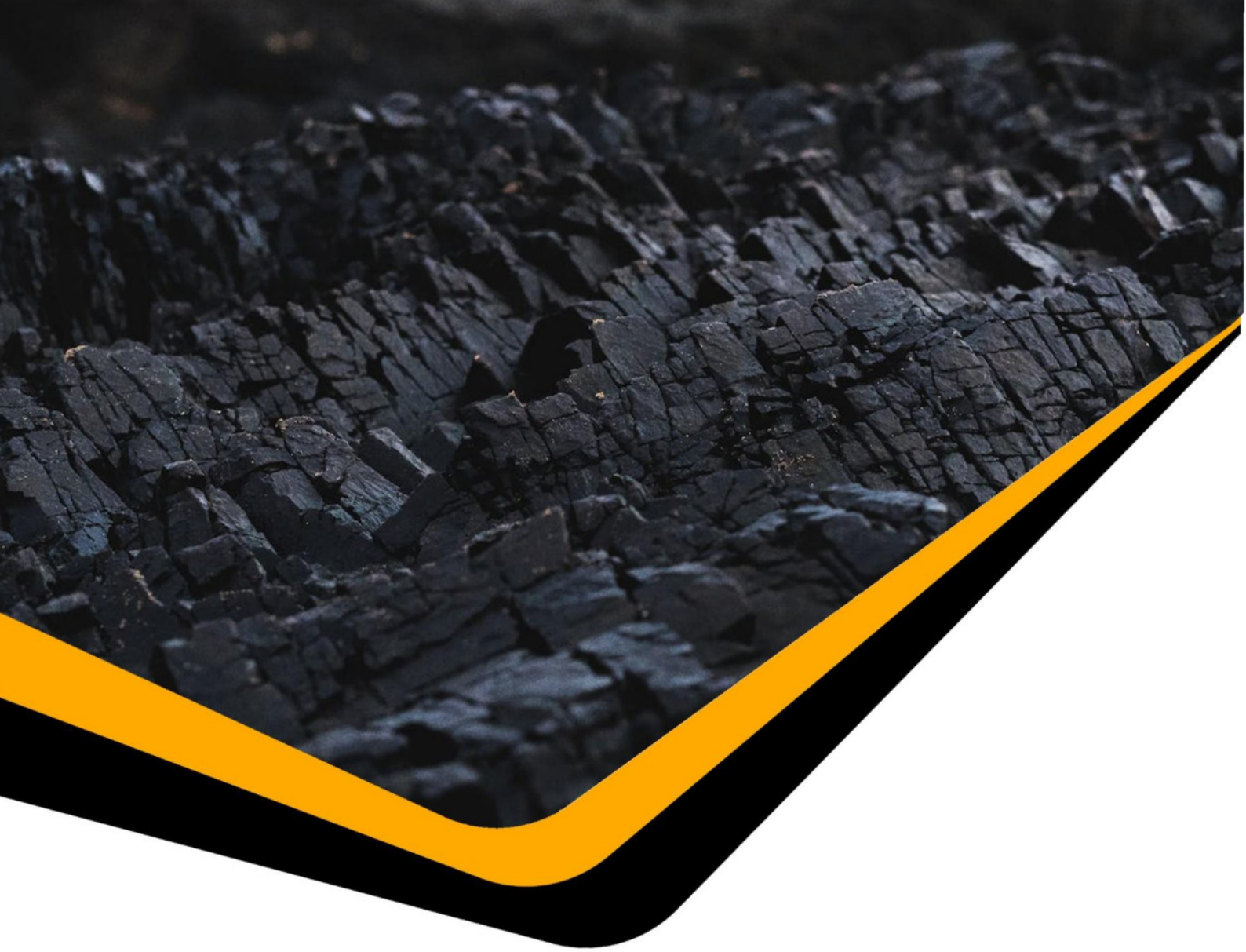

ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

ЭРДЭНЭС ТАВАНТОЛГОЙ
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