

---

# COAL QUALITY SPECIFICATION

---

Nº ETT\_SP\_CC

---



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

TOTAL  
MOISTURE (ar)

3.0%

(-1.5; +1.5)

TOTAL SULPHUR  
(db)

1.0%

(-0.3; +0.5)

ASH (db)

13.5%

(-3.0; +3.0)

G INDEX

75.0

(-5.0; +5.0)

VOLATILE  
MATTER (daf)

≤28.0%

QUANTITY

64.0

THOUSAND TONS

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

ALS GROUP LLC  
Mongol Nakhmei Building, 2nd khoroо  
Chinggis Avenue, Khan-Uul District  
Ulaanbaatar, Mongolia  
Tel +976 70 007667



CERTIFICATE OF ANALYSIS  
25117,19,129,136-TT

CLIENT: Erdenes Tavan Tolgoi JSC  
ADDRESS: Finance Center, 8-ggjidjev-8  
1st khoroо, Chingelhei District  
Ulaanbaatar, Mongolia  
ATTN: Galtzaya.B  
PROJECT NO. xxx  
LAB. JOB NO. 25117,19,129,136-TT  
NO. SAMPLES: 8  
Notes/Comments: xxx

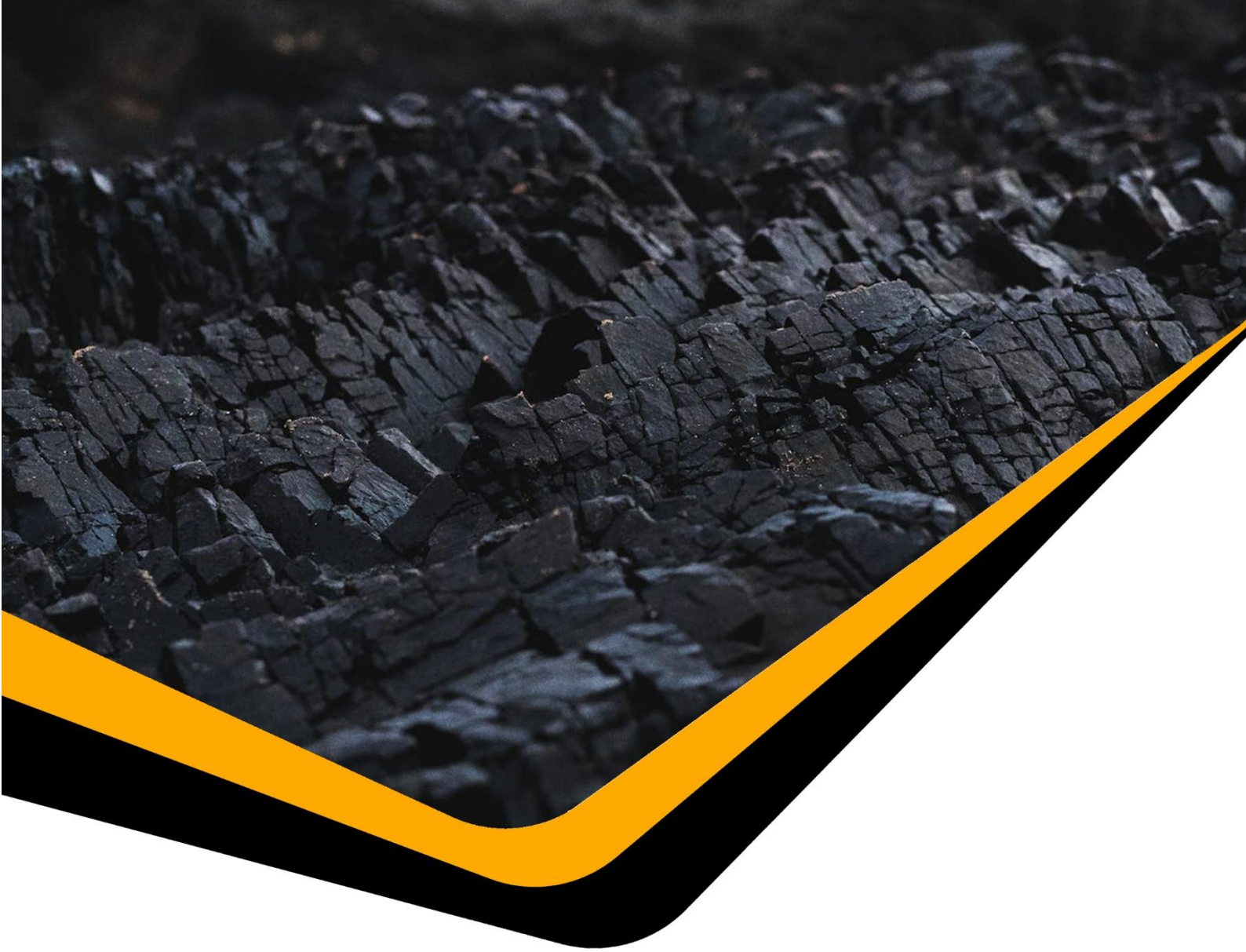
SAMPLES RECEIVED: 10/12/2025 11/12/2025  
INSTRUCTIONS RECEIVED: 10/12/2025 11/12/2025  
DATE OF REPORT: 11/12/2025 12/12/2025  
STATUS OF REPORT: FINAL  
ANALYSIS COMPLETE: 11/12/2025 12/12/2025  
PREPARATION CODE: CSPSC, CSPC, CSPG  
ANALYSIS CODE: 1.2\_COKING COAL  
TM, MOIS, ASH, VOL.,  
TSUL, CSN, COKN  
APPROVED BY: [Signature]  
Quality Manager  
CHECKED BY: Chief Chemist

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

| LAB NO. | SAMPLE NO.      | AS RECEIVED BASIS   |           |                       |              | AIR DRIED BASIS      |                 |           |                       | DRY BASIS    |                      |           |                       | DRY, ASH-FREE BASIS |                      |                       |              | Crucible Swelling Number (CSN) | Coal Caking Index (CKN) |
|---------|-----------------|---------------------|-----------|-----------------------|--------------|----------------------|-----------------|-----------|-----------------------|--------------|----------------------|-----------|-----------------------|---------------------|----------------------|-----------------------|--------------|--------------------------------|-------------------------|
|         |                 | 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 |                                |                         |
| 1       | ETT-SP-10336-1A | 2.70                | 12.21     | 22.50                 | 62.60        | 0.87                 | 0.65            | 12.47     | 22.97                 | 63.91        | 0.89                 | 12.55     | 23.12                 | 64.33               | 0.90                 | 26.44                 | 73.56        | 1.02                           | 5:1                     |
| 2       | ETT-SP-10336-1B | 2.21                | 12.22     | 22.79                 | 62.78        | 1.16                 | 0.61            | 12.42     | 23.16                 | 63.80        | 1.18                 | 12.49     | 23.31                 | 64.20               | 1.19                 | 26.44                 | 73.36        | 1.36                           | 3:3                     |
| 3       | ETT-SP-10336-2A | 2.86                | 11.26     | 22.91                 | 62.97        | 0.54                 | 0.60            | 11.53     | 23.44                 | 64.43        | 0.55                 | 11.60     | 23.58                 | 64.82               | 0.55                 | 26.68                 | 73.32        | 0.62                           | -                       |
| 4       | ETT-SP-10336-2B | 2.81                | 11.58     | 23.19                 | 62.41        | 0.76                 | 0.68            | 11.84     | 23.70                 | 63.78        | 0.77                 | 11.92     | 23.86                 | 64.22               | 0.78                 | 27.09                 | 72.91        | 0.88                           | -                       |
| 5       | ETT-SP-10336-3A | 2.74                | 13.41     | 23.77                 | 60.09        | 0.72                 | 0.56            | 13.71     | 24.30                 | 61.43        | 0.73                 | 13.79     | 24.44                 | 61.78               | 0.74                 | 28.34                 | 71.66        | 0.85                           | -                       |
| 6       | ETT-SP-10336-3B | 1.99                | 10.59     | 24.29                 | 63.13        | 0.60                 | 0.55            | 10.75     | 24.65                 | 64.06        | 0.61                 | 10.81     | 24.78                 | 64.41               | 0.61                 | 27.79                 | 72.21        | 0.69                           | -                       |
| 7       | ETT-SP-10336-4A | 5.24                | 11.37     | 22.74                 | 60.65        | 0.52                 | 0.77            | 11.90     | 23.82                 | 63.51        | 0.54                 | 12.00     | 24.00                 | 64.00               | 0.55                 | 27.27                 | 72.73        | 0.62                           | -                       |
| 8       | ETT-SP-10336-4B | 5.23                | 11.69     | 22.85                 | 60.22        | 0.74                 | 0.76            | 12.25     | 23.93                 | 63.07        | 0.78                 | 12.34     | 24.11                 | 63.55               | 0.78                 | 27.51                 | 72.49        | 0.89                           | -                       |

QUALITY ASSURANCE/QUALITY CONTROL DATA

| STDALSW-40/23      | ASH   | VOL   | TSUL   |
|--------------------|-------|-------|--------|
| Certified Value    | 10.67 | 20.55 | 0.620  |
| Standard Deviation | 0.056 | 0.137 | 0.0144 |
| Unit               | %     | %     | %      |
| Analyzed value     | 10.69 | 20.60 | 0.618  |



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



[www.ett.mn](http://www.ett.mn)



75055555  
1800-1072



Финанс төв, 1-р хороо,  
Чингэлтэй дүүрэг,  
Улаанбаатар хот

