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# COAL QUALITY SPECIFICATION

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Nº ETT\_SP\_TC

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ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



COAL STOCKPILES QUALITY (weighted average)

|                                                                                       |                                                                                    |                                                                                  |                                                              |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------|
| <div>Total moisture</div> <div>TM (ar)</div> <div>5.0%</div> <div>(-1.0; +3.0)</div>  | <div>Total sulphur S</div> <div>(db)</div> <div>1.0%</div> <div>(-0.3; +0.5)</div> | <div>Volatile matter</div> <div>VM (daf)</div> <div>34.0%</div> <div>(max)</div> |                                                              |
| <div>Calorific value</div> <div>CV (ar)</div> <div>5500</div> <div>(-500; +500)</div> | <div>Ash (db)</div> <div>25.0%</div> <div>(-5.0; +3.0)</div>                       | <div>G Index</div> <div>≤5.0</div>                                               | <div>QUANTITY</div> <div>32.0</div> <div>Thousand tons</div> |

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

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



CERTIFICATE OF ANALYSIS  
25D270-TT

CLIENT: Erdenes Tavantolgoi JSC  
ADDRESS: Finance Center, Jigjidjav-8  
1st khoroo, Chingeltei District  
Ulaanbaatar, Mongolia  
ATTN: Erkhembayar.M  
PROJECT NO. xxx  
LAB. JOB NO. 25D270-TT  
NO. SAMPLES: 3  
Notes/Comments: xxx

SAMPLES RECEIVED: 26/04/2025 19:05  
INSTRUCTIONS RECEIVED: 26/04/2025 19:05  
DATE OF REPORT: 27/04/2025 18:20  
STATUS OF REPORT: FINAL  
ANALYSIS COMPLETE: 27/04/2025 18:20  
PREPARATION CODE: CRUSH-01, 02; MILL-01  
ANALYSIS CODE: 2.1\_THERMAL COAL  
TM, MOIS; ASH, VOL, TSUL, GCV, CKRN  
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                     | %               | %         | %                     | %                 | %                    | kcal/kg                     |
| 1               | 25106026   | 3.29                | 20.30     | 24.83                 | 51.58             | 0.72                 | 6330                        | 0.81            | 20.82     | 25.46                 | 52.90             | 0.74                 | 6492                        |
| 2               | 25106126   | 4.05                | 23.91     | 22.55                 | 49.49             | 0.68                 | 5849                        | 1.04            | 24.66     | 23.26                 | 51.04             | 0.70                 | 6033                        |

QUALITY ASSURANCE/QUALITY CONTROL DATA

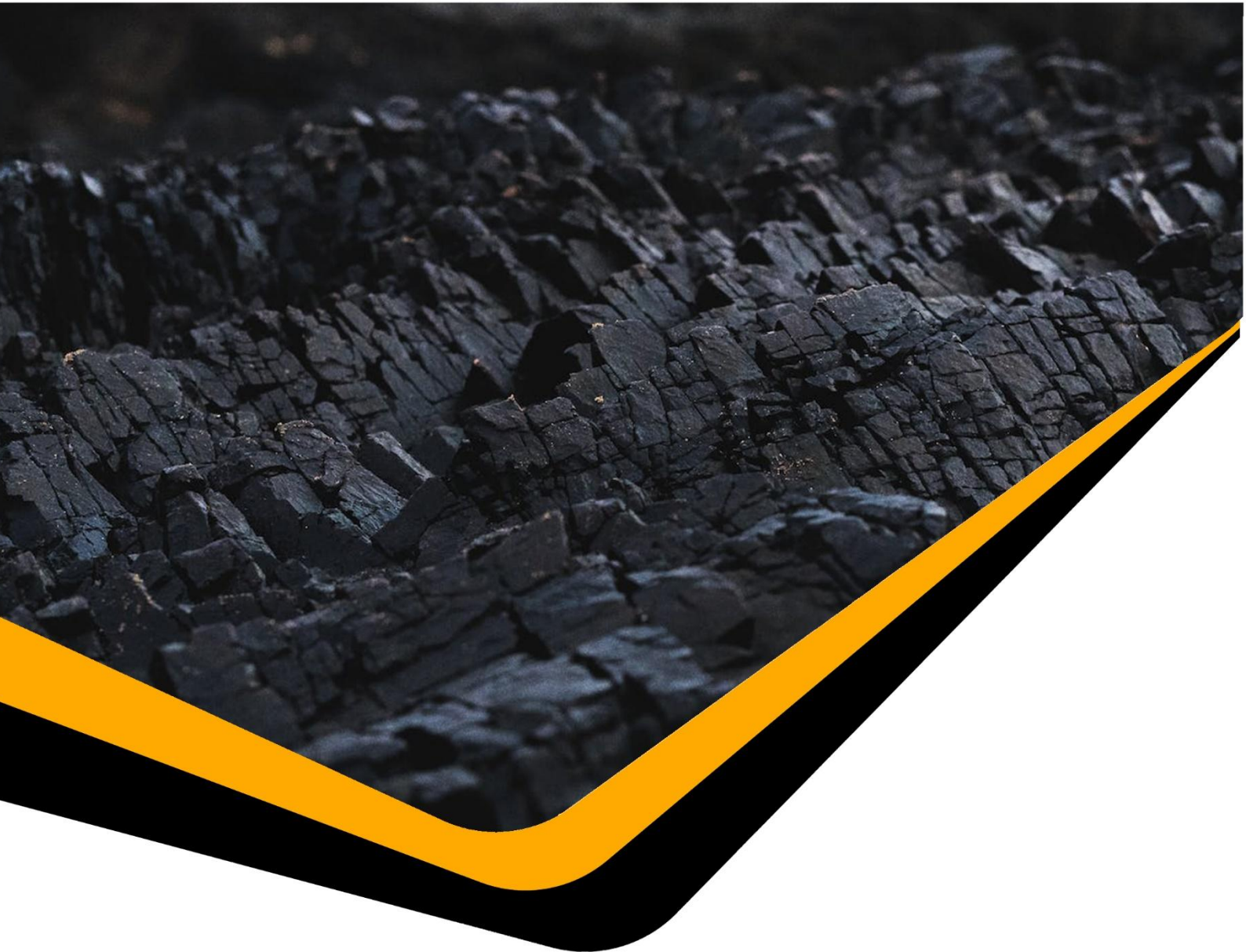
| STDALWS-40/23      | ASH   | VOL   | GCV     | TSUL   |
|--------------------|-------|-------|---------|--------|
| Certified Value    | 10.67 | 20.55 | 7695    | 0.620  |
| Standard Deviation | 0.056 | 0.197 | 24      | 0.0144 |
| Unit:              | %     | %     | kcal/kg | %      |
| Analyzed value:    | 10.69 | 20.59 | 7695    | 0.610  |



SAMPLES RECEIVED: 26/Apr/25  
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ANALYSIS CODE: 2.1.THERMAL COAL  
TM, MOIS, ASH, VOL, TSUL,  
GCV, CKIN

| 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 212                 | GB/T 212 | ISO 19579 | GB/T 213 | GB/T 5447 |
|-----------------|------------|-----------|-----------------------|-------------------|----------------------|-----------------------------|-----------------------|-------------------|----------------------|-----------------------------|--------------------------|----------|-----------|----------|-----------|
|                 |            | DRY BASIS |                       |                   |                      | DRY, ASH-FREE BASIS         |                       |                   |                      |                             |                          |          |           |          |           |
| LAB NO.         | SAMPLE NO. | 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) | Coal Caking Index (CKIN) |          |           |          |           |
|                 |            | %         |                       |                   |                      | kcal/kg                     | %                     |                   |                      |                             | kcal/kg                  | 5:1      | 3:3       |          |           |
| 1               | 25106026   | 20.99     | 25.67                 | 53.34             | 0.75                 | 6545                        | 32.49                 | 67.51             | 0.95                 | 8284                        | 18                       |          |           |          |           |
| 2               | 25106126   | 24.92     | 23.50                 | 51.58             | 0.71                 | 6096                        | 31.30                 | 68.70             | 0.94                 | 8120                        |                          | 16       |           |          |           |

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75055555  
1800-1072



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



