DRAKENSBERG ENERGY TRADING

# PRODUCT SPECIFICATION

## Heavy virgin naphtha specification

Document: DE-SPEC-HEAVY-VIRGIN-NAPHTHA | Revision 1.1 | 20 March 2026 | English

Drakensberg Energy Europe EOOD | UIC 208760847

**Technical source:** Burgas CTS 1-80.02 | Identified source specification

| Property | Unit | Requirement | Test method |
|---|---|---|---|
| Density at 15°C | kg/m³ | Maximum 732,0 | ASTM D 1298 ASTM D 4052 |
| Initial boiling point | °C | Minimum 30 | ASTM D86 |
| 5% recovered at | °C | Report | ASTM D86 |
| 10% recovered at | °C | Maximum 75 | ASTM D86 |
| 50% recovered at | °C | Maximum 125 | ASTM D86 |
| 90% recovered at | °C | Maximum 170 | ASTM D86 |
| Final boiling point | °C | Maximum 180 | ASTM D86 |
| Difference in temperatures: (T90 - T5) (1) | °C | Minimum 60 | calculating |
| RVP | kPa | Maximum 85,00 | ASTM D 323 ASTM D 5191 |
| Seybolt colour | units | Minimum 20 | ASTM D 156 |
| Sulphur content | mg/kg | Maximum 500 | BDS EN ISO 20846 ASTM D 5453 |
| Water soluble acids and alkali | | none | ASTM D 1093 |
| Lead | ppb (weight) | Maximum 50 | AAS (ИК 3-05-433) * ВЛМИ 06/2015 ** ВЛМИ-СБ/001/2019 ** |
| Aromatic hydrocarbons | % (m/m) | Maximum 12,00 | ASTM D 5134 ASTM D 5443 |
| Paraffines | % (m/m) | Minimum 65,00 | ASTM D 5134 ASTM D 5443 |
| Naphthenes | % (m/m) | 12,00 to 40,00 | ASTM D 5134 ASTM D 5443 |
| Olefines | % (m/m) | Maximum 1,00 | ASTM D 5134 ASTM D 6839 (mod.) |
| Total chlorine | ppm (weight) | Maximum 5 | UOP 779 UOP 588 |
| Chlorine (organic) | ppm (weight) | Maximum 3 | UOP 779 UOP 588 |
| Copper strip corrosion (3 hrs at 40 °C) | klass | Maximum 2 | ASTM D 130 |
| Mercaptan sulphur | % (m/m) | Maximum 0,02 | ASTM D 3227 UOP 163 |
| MTBE | ppm (v/v)<br>mg/kg | Maximum 50<br>Maximum 54 | IP PM BG/91 (mod.) or ASTM D 7423 (mod.) |

## Specification notes

T90/T5: temperature at 90% / 5% recovery. BDS: Bulgarian standard. * Company method. ** Validated method. Light-grade ethanol note (2): detection limit of BDS EN 13132.

**Source:** https://neftochim.lukoil.com/FileSystem/9/197709.pdf

Refinery specification reference. Values identify the stated grade and source revision; the consignment quality certificate records actual results. This document is separate from the safety data sheet.


© 2026 Drakensberg Energy Europe EOOD. Viewing, printing and unchanged sharing permitted.