DRAKENSBERG ENERGY TRADING

PRODUCT SPECIFICATION

Light virgin naphtha specification

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

Drakensberg Energy Europe EOOD | UIC 208760847

Technical source: Burgas CTS 1-80.01 | 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	Maximum 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 chloride	ppm (weight)	Maximum 10	UOP 588
Chloride (organic)	ppm (weight)	Maximum 3	UOP 779
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) mg/kg	Maximum 50 Maximum 54	IP PM BG/91 (mod.) or ASTM D 7423 (mod.)
Appearance		Clear; no suspended matter	visual
Hydrogen sulfide	mg/kg	Maximum 10,0	UOP 163
Ethanol	% (v/v)	< 0,17 (2)	BDS EN 13132
Existent gum content (solvent washed)	mg/100ml	Maximum 5,0	BDS EN ISO 6246 ASTM D 381

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/9/197707.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.

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