DRAKENSBERG ENERGY TRADING

PRODUCT SPECIFICATION

LPG specification - Propane-butane blend

Document: DE-SPEC-LPG-PROPANE-BUTANE | Revision 1.1 | 20 March 2026 | English

Drakensberg Energy Europe EOOD | UIC 208760847

Technical source: Burgas CTS 1-08 | Revision 01 | 15 December 2021

Property	Unit	Requirement	Test method
Motor octane number	MON	Minimum 89.0	BDS EN 589, Annex B
Total sulphur	mg/kg	Maximum 50	BDS EN 24260; ASTM D3246; ASTM D6667
Copper corrosion (1 h at 40°C)	rating	Class 1	BDS EN ISO 6251
Vapour pressure at 40°C	kPa	Maximum 1550	BDS EN ISO 8973; BDS EN 589 Annex C
Vapour pressure at -5°C, grade B	kPa	Minimum 150	Same as above
Vapour pressure at +10°C, grade D	kPa	Minimum 150	Same as above
Density at 15°C	kg/m³	Report	BDS EN ISO 8973
Hydrogen sulphide*	-	Negative	BDS EN ISO 8819
Water*	-	Pass	BDS EN 15469
Evaporation residue*	mg/kg	Maximum 60	BDS EN 15470; BDS EN 15471
Odour*	-	Distinctive at 20% LFL	BDS EN 589, 6.3 / Annex A
Total C2	% (m/m)	Report	BDS EN 27941
Propane	% (m/m)	Maximum 75	BDS EN 27941
Propene	% (m/m)	Report	BDS EN 27941
n-Butane	% (m/m)	Maximum 50	BDS EN 27941
i-Butane; butenes; 1,3-butadiene; total C5	% (m/m)	Report each	BDS EN 27941
Total dienes (including 1,3-butadiene)	% (m/m)	Maximum 0.5	BDS EN 27941

Specification notes

These are refinery LPG blends. The light and heavy grades are not pure propane or pure butane.

* Tested at least monthly in the source regime. Grade B winter: 16 October-15 April. Grade D summer: 16 April-15 October. Sampling: BDS ISO 4257. Each shipment has a quality certificate.

Source: https://neftochim.lukoil.com/FileSystem/9/570589.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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