

AdBlue® Product Specification

AUS 32 / Diesel Exhaust Fluid (DEF) · Aqueous urea solution 32.5% · Made under VDA AdBlue® licence No. 0005569

Specification limits (ISO 22241-1)

Characteristic	Unit	Limit
Urea content	% (m/m)	31.8 – 33.2
Density at 20 °C	kg/m ³	1,087.0 – 1,093.0
Refractive index at 20 °C	—	1.3814 – 1.3843
Alkalinity as NH ₃	% (m/m)	≤ 0.2
Biuret	% (m/m)	≤ 0.3
Aldehydes	mg/kg	≤ 5
Insoluble matter	mg/kg	≤ 20
Phosphate (PO ₄)	mg/kg	≤ 0.5
Calcium	mg/kg	≤ 0.5
Iron	mg/kg	≤ 0.5
Copper	mg/kg	≤ 0.2
Zinc	mg/kg	≤ 0.2
Chromium	mg/kg	≤ 0.2
Nickel	mg/kg	≤ 0.2
Aluminium	mg/kg	≤ 0.5
Magnesium	mg/kg	≤ 0.5
Sodium	mg/kg	≤ 0.5
Potassium	mg/kg	≤ 0.5
Identity	—	Identical to reference (IR)

Typical properties

Clear, colourless liquid with a faint ammonia odour. Freezes at about –11 °C and thaws without loss of quality. Store sealed, out of direct sunlight, ideally between –11 °C and 30 °C. Expected shelf life is about 18 months at or below 25 °C (ISO 22241-3 guidance).

Quality control

Every batch is lab-tested before release. Batch results are reported on the Certificate of Analysis for that batch, available on request, and the batch number on each label traces back to its test result. Handling and safety information is in the Safety Data Sheet.

Pack sizes

10 L, 15 L and 20 L drums with pouring spout · 210 L drums · 1,000 L IBCs (timber or steel base) · bulk tanker deliveries from 1,000 to 32,000 L.

AdBlue® is a registered trademark of the Verband der Automobilindustrie e.V. (VDA). This sheet lists the specification limits of ISO 22241-1; it is not a Certificate of Analysis. Issued September 2026.