

ADBLUE[®] AUS32

AUS 32 Aqueous Urea Solution 32,5%
NOx-Reduction Automotive Grade Urea (AGU)

Chemical characteristic:

Urea 32,5 %
(NH₂)₂CO
CAS Nr.: 57-13-6 EINECS-Nr. 200-315-5

Characteristic:

Appearance: clear, colorless liquid, no to faint odor of ammonia.
Viscosity (at 25 °C): approx. 1.4 mPa s
Start of crystallization: -11.5 °C

Parameter	Specification		Unit	Test Method
	min.	max.		
Urea content	31,8	33,2	%	ISO 22241-2:2019, Annex C
Refractive index at 20°C	1,3814	1,3843	-	ISO 22241-2:2019, Annex C
Alkalinity as NH ₃	-	0,2	%	ISO 22241-2:2019, Annex D
Biuret	-	0,3	%	ISO 22241-2:2019, Annex E
Aldehydes	-	5	mg/kg	ISO 22241-2:2019, Annex F
Insoluble	-	20	mg/kg	ISO 22241-2:2019, Annex G
Phosphate (PO ₄)	-	0,5	mg/kg	Calculated from P ISO 22241-2:2019, Annex I
Calcium	-	0,5	mg/kg	
Iron	-	0,5	mg/kg	
Copper	-	0,2	mg/kg	
Zinc	-	0,2	mg/kg	
Chromium	-	0,2	mg/kg	
Nickel	-	0,2	mg/kg	
Aluminium	-	0,5	mg/kg	
Magnesium	-	0,5	mg/kg	
Sodium	-	0,5	mg/kg	
Potassium	-	0,5	mg/kg	
Identität	Identical to the comparison pattern			ISO 22241-2:2019, Annex J

Sampling and testing according to ISO 22241-2:2019 Annex A

Storage temperature [°C]	Minimum shelf life [month]
≤10°C	36
≤ 25°C	18
≤ 30°C	12
≤ 35°C	6
> 35°C	-

To avoid decomposition, transport and storage temperatures should not exceed 25°C for long periods of time. > 35°C significant reduction in shelf life: check each batch before use. The main influencing factors that determine the shelf life are the constant storage temperature and the alkalinity of the AdBlue[®] solution. The different evaporation in

In order to avoid quality losses, it is recommended to store and transport AdBlue® between - 5 °C and + 25 °C. Prolonged storage at temperatures above 25 °C can lead to the decomposition of urea and - in the case of ventilated containers - to the concentration of AdBlue®. AdBlue® can be kept for at least two years at 20 °C if the specified storage conditions are observed and suitable container materials are used. To avoid crystallization, it is recommended not to expose AdBlue® to temperatures below -11 °C. With complete crystallization below -11 °C, AdBlue® expands and has a volume that is approx. 7% larger, so that full containers can possibly burst. Crystallized AdBlue® can be thawed by heating without losing its original quality. It must be ensured that the temperature of AdBlue® does not exceed 30 °C. AdBlue® can be used once all the crystals have dissolved. It is also recommended to protect AdBlue® from direct sunlight in order to avoid an excessive increase in temperature and the growth of algae. AdBlue® has a corrosive effect on steel, iron, nickel and non-ferrous metals. High-alloy austenitic stainless steels, HDPE, PP, titanium, Viton are resistant.

Security:

AdBlue® and dried product residues are physiologically harmless. AdBlue® is not a dangerous good.

AdBlue® must be transported and stored separately from nitrites, hypochlorites and salts containing nitrates. The safety data sheet provides information on additional product properties, contains information on the classification of hazards and the regulations to be observed, and describes the measures required when handling AdBlue® to protect people and the environment.

An einem kühlen, gut gelüfteten Ort aufbewahren. Weitere Informationen zu Gesundheit, Sicherheit und Umweltschutz siehe Sicherheitsdatenblatt.

Haftungshinweise Dieses Technische Merkblatt ist das Ergebnis sorgfältiger Erprobung und dient der Beratung unserer Kunden. Die hierin gemachten Angaben entsprechen unserem besten Wissen. Da die vorschriftsmäßige Anwendung jedoch nicht unserem Einfluss unterliegt, können wir eine Haftung nur für die einwandfreie Qualität der von uns gelieferten Produkte zum Zeitpunkt der Lieferung übernehmen. Änderungen dieser Produktinformation auf Grund neuer Erkenntnisse behalten wir uns jederzeit vor.