AdBlue® (according to ISO 22241)

Aqueous urea solution

Properties

- **AdBlue®** is a high-purity NOx reducing agent for diesel engines equipped with SCR technology.
- SCR technology (selective catalytic reduction) is based on a catalytic reaction in which harmful nitrogen oxides are reduced to the harmless substances nitrogen and water by means of a reducing agent (AdBlue®).

Application notes

- SCR technology is used to implement the EURO 4, 5 and EURO 6 exhaust emission standards in order to offer a future-proof drive concept in terms of economy, performance and environmental compatibility.
- **AdBlue®** has a shelf life of up to 36 months in sealed containers at storage temperatures of max. 30°C (average 20°C).

Service description

Specifications:

- DIN 70070
- ISO 22241
- AUS 32 (CEFIC)

TYPICAL PARAMETERS	METHODS	UNITS	AdBlue®
Urea	ISO 22241-2 Ann. C	Gew.-%	31.8 - 33.2
Density at 20°C	DIN EN ISO 12185	g/cm³	1.0870 - 1.0930
Refractive index at 20°C	ISO 22241-2 Ann. C	-	1.3814 - 1.3843
Alkalinity as NH3	ISO 22241-2 Ann. D	Gew.-%	≤ 0.1
Biuret	ISO 22241-2 Ann. E	Gew.-%	≤ 0.3
Aldehyde	ISO 22241-2 Ann. F	mg/kg	≤ 5
Insolubles	ISO 22241-2 Ann. G	mg/kg	≤ 20
Phosphate (PO4)	ISO 22241-2 Ann. H	mg/kg	≤ 0.5
Calcium	ISO 22241-2 Ann. I	mg/kg	≤ 0.5
Iron	ISO 22241-2 Ann. I	mg/kg	≤ 0.5
Copper	ISO 22241-2 Ann. I	mg/kg	≤ 0.2
Zinc	ISO 22241-2 Ann. I	mg/kg	≤ 0.2
Chromium	ISO 22241-2 Ann. I	mg/kg	≤ 0.2
Nickel	ISO 22241-2 Ann. I	mg/kg	≤ 0.2
Aluminium	ISO 22241-2 Ann. I	mg/kg	≤ 0.5
Magnesium	ISO 22241-2 Ann. I	mg/kg	≤ 0.5
Sodium	ISO 22241-2 Ann. I	mg/kg	≤ 0.5
Potassium	ISO 22241-2 Ann. I	mg/kg	≤ 0.5

* meets the requirements of the OEM manufacturer.
The stated values may vary within the usual commercial range.