

QUALITY PASSPORT № 70
AdBlue® NOx reduction agent AUS 32 ISO 22241-1
TY BY 690652001.002-2010, mod. 1-4

Batch number: 21 Date of manufacture: 23.01.2024

Batch size: 20000 L (21830,0 kg)

Nominal volume: IBC 1000 L

Quantity of packing units: 20 pieces

Shelf life: 12 months under the conditions of storage

№	Property	Parameters	Testing result	Testing method
1	Appearance	Clear liquid	Clear liquid	ISO 22241-1
2	Colour	From colorless to light yellow	colorless	ISO 22241-1
3	Urea content, %	31,8-33,2	32,8	ISO 22241-2 (C)
4	Density at 20 °C, kg/m³	1087,0-1093,0	1091,5	ISO 3675
5	Alkalinity as NH3, %	max 0,2	0,004	ISO 22241-2 (D)
6	Refractive Index at 20°C	1,3814-1,3843	1,3836	ISO 22241-2 (C)
7	Biuret, %	max 0,3	0,26	ISO 22241-2 (E)
8	Aldehydes, mg/kg	max 5	<0,5*	ISO 22241-2 (F)
9	Insolubles, mg/kg	max 20	2,7*	ISO 22241-2 (G)
10	Phosphate (PO4), mg/kg	max 0,5	<0,1*	ISO 22241-2 (H)
11	Calcium, mg/kg	max 0,5	0,14*	ISO 22241-2 (I)
12	Iron, mg/kg	max 0,5	<0,02*	
13	Copper, mg/kg	max 0,2	<0,01*	
14	Zinc, mg/kg	max 0,2	<0,01*	
15	Chromium, mg/kg	max 0,2	0,06*	
16	Nickel, mg/kg	max 0,2	0,08*	
17	Aluminium, mg/kg	max 0,5	<0,01*	
18	Magnesium, mg/kg	max 0,5	0,03*	
19	Sodium, mg/kg	max 0,5	0,09*	
20	Potassium, mg/kg	max 0,5	0,03*	
21	Identity	Identical to the reference	Yes	ISO 22241-2 (J)

Storage conditions: in the original packaging of the manufacturer at a temperature of -10 °C to + 25 °C

CONCLUSION: Batch No. 21 complies with the requirements of ISO 22241-1 / DIN 70070 and TY BY 690652001.002-2010, mod. 1-4

The AdBlue reagent for reducing nitrogen oxide emissions complies with the European standards ISO 22241-1 and DIN 70070

24.01.2024

Signature