

AUS 32 «AdBlue»

Liquid for NO_x emissions reduction in vehicles equipped with diesel engines

APPROVALS

Verband der Automobilindustrie

MEETS REQUIREMENTS

ISO 22241

PRODUCT DESCRIPTION

AUS 32 «AdBlue» is a diesel exhaust fluid for vehicles equipped with SCR technology, what allows to reduce NO_x emissions helping achieve Euro 4 and Euro 5 emission standards.

AUS 32 «AdBlue» is a high purity urea (32.5%) solution in demineralized water (67.5%).

Manufacturing of **AUS 32 «AdBlue»** is strictly regulated due to provide the highest product quality from the stage of production to the end user.

Certificate of authorization was granted by The German Association of the automotive industry (VDA) after full audit check of production, quality management system and product distribution.

The product name in an order:

Nitrogen oxides reduction fluid in diesel engines AUS 32 «AdBlue», STO 82851503-041-2012

APPLICATION

AUS 32 «AdBlue» is used in vehicles equipped with SCR technology.

SCR technology is based on injection of strictly metered AdBlue quantity in a flow of exhaust gases in the presence of a catalyst (vanadium pentoxide), thus chemical reaction takes place of NO_x conversion into harmless substances – nitrogen and water.

AUS 32 «AdBlue» freezing point is minus 11 °C, yet SCR system is always equipped with preheater, there is no restriction to effective operation of the product. The product does not expand after freezing and saves properties after thawing.

TYPICAL TEST DATA

PROPERTY	Test methods	AUS 32 «AdBlue»
Urea mass content, %	ISO 22241-2 (appendix B)	32.4
Alcalinity (expressed as free ammonia NH ₃), %	ISO 22241-2 (appendix D)	0.005
Biuret, %	ISO 22241-2 (appendix E)	<0.3
Insoluble substances, mg/kg	ISO 22241-2 (appendix G)	<20.0
Aldehydes, mg/kg	ISO 22241-2 (appendix F)	<5.0
Phosphates (expressed as PO ₄), mg/kg	ISO 22241-2 (appendix H)	<0.5
Aluminium, mg/kg	ISO 22241-2 (appendix I)	<0.5
Calcium, mg/kg	ISO 22241-2 (appendix I)	<0.5
Ferrum, mg/kg	ISO 22241-2 (appendix I)	<0.5
Cuprum, mg/kg	ISO 22241-2 (appendix I)	<0.2
Zink, mg/kg	ISO 22241-2 (appendix I)	<0.2
Chrome, mg/kg	ISO 22241-2 (appendix I)	<0.2
Nickel, mg/kg	ISO 22241-2 (appendix I)	<0.2
Magnesium, mg/kg	ISO 22241-2 (appendix I)	<0.5
Sodium, mg/kg	ISO 22241-2 (appendix I)	<0.5
Potassium, mg/kg	ISO 22241-2 (appendix I)	<0.5
Density at 20 °C, kg/m ³	ГОСТ 18995.1	1,091.0
Refraction index at 20 °C	ISO 22241-2 (appendix C)	1.3830

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".