

AUS 32 «AdBlue»

Diesel exhaust fluid for NOx emissions reduction

Approvals

- Verband der Automobilindustrie

Meets requirements

- ISO 22241

Product description

Diesel exhaust fluid for vehicles equipped with SCR technology which provide NOx emissions reduction to achieve Euro 4 and Euro 5 emission standards. The product formulated with a high purity urea (32.5%) solution in demineralized water (67.5%).

Application

AUS 32 «AdBlue» is developed for vehicles equipped with SCR technology. The technology of SCR is an injection of strictly metered AdBlue quantity in a flow of exhaust gases in the presence of a catalyst (vanadium pentoxide) leading to chemical reaction takes place of NOx conversion into harmless substances – nitrogen and water. The freezing point of mixture is minus 11 °C, but SCR system is always equipped with preheater, thus there is no restriction to effective operation of the product (the product does not expand after freezing and saves properties after thawing).

The product name in an order: Nitrogen oxides reduction fluid in diesel engines AUS 32 «AdBlue», STO 82851503-041-2012

Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
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
Metals (Al, Ca, Fe, Cu, Zn, Cr, Ni, Mg, Na, K)	ISO 22241-2 (Appendix I)	<0,5
Density at 20 °C, kg/m ³	GOST 18995.1	1.091
Refraction index at 20°C	ISO 22241-2 (Appendix I)	1.383