AGIDOL-12B ANTIOXIDANT FOR BIODIESEL*

KAROLEF

Agidol-12B is a mixture of alkylphenols perfectly calibrated in order to obtain the best synergy between the components and to enhance the antioxidant properties. Solution of Agidol-12B in biodiesel is used as an antioxidant additive for biodiesel fuels to enhance their chemical stability.

On request production with biocidal additive (Bronopol) is possible, quality parameters of the additive are regulated by a separate specification agreed by the parties.

Agidol-12B must meet the following quality parameters:

* Conventional product – its production using the developed technology requires additional agreement with the manufacturer

TECHNICAL REQUIREMENTS

Parameter	Standard	Test method
Appearance	solution from light- to dark-yellow in color	
Density, kg/m³ at 20 °C, max	920	ASTM D 1298
Active component content in the product, %, min	40	GLC analysis
including 2,6-di-tert-butyl-4-methylphenol (Agidol-1) content, %, min	75	
Chilling temperature, °C, not higher than	5	ASTM D 1177
Water content, %, max	0.05	ASTM D 95
Viscosity at 20 °C, mm^2/s, max	15	ASTM D 445
Closed-cup flash point, °C, not lower than	100	ASTM D 92
Oxidation stability at 110 °C and at a dose level of 0.25 wt.%, h, min	8.0	ASTM D 2274
Biodiesel used as a solution, %	60	GLC analysis

PACKING: To be poured in carbon dioxide medium, filling ratio of the container is 90%.

TRANSPORTATION: Transported in bulk in special-purpose tank containers or special-purpose tanks equipped with bottom unloading device. Material of tank and tank container shells is low-alloy or stainless steel.
Tanks and tank containers shall be marked (with signs, stencils and safety symbols) in compliance with dangerous goods regulations, applied to this type of transport means. Upon agreement with a customer the product can be packed in hermetic steel barrels of 200 dm^3 by volume. Transported by all means of transport in accordance to all rules of cargo's transportation standing at transport of this form.

STORAGE: To be stored in dry fireproof warehouse of manufacturer and consumer.

GUARANTEED SHELF LIFE: 24 months from the date of manufacture. After the expiration of the guaranteed shelf life, the product can be used for its intended purpose after checking for compliance with the requirements of this specification.