PRODUCT CODE
BIORES P

Biodiesel Purification Resin

PACK SIZES AVAILABLE

5 KG's
25 KG's
100 KG's
500 KG's
1000 KG's

TECHNICAL SUPPORT

Chemiphase will offer on- site technical support during all stages of production. Technical support includes on-site testing and results.

PRODUCT SAFETY

All Chemiphase products are thoroughly researched and tested. All products are also COSHH registered and come complete with delivery. For more information on any of our products or services please visit us on the Web at:

www.chemiphase.co.uk

Phone :
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PRODUCT DESCRIPTION

As the Global quality standards for Biodiesel are becoming ever more stringent, even the smallest traces of soap, catalyst and glycerin must be removed from crude Biodiesel in order to meet the new international quality standards BS EN 14213 and BS EN 14214.

Cellulose based cleaners or regenerated resins used alone, find it difficult to meet these protocols. The use of BioRes P will enable you to reach this standard easier than using other purification methods and you will produce crystal clear PH neutral Biodiesel every time.

High quality Biodiesel is attained by using BioRes P in a much more cost effective way than using other comparable resins. From tiny beads to bright, crystal-clear biofuel in one easy pass.

SPECIFICATION

The product was introduced to give a **cost-effective** option for biodiesel producers due to a lack of competitive choice of dry resins previously on the market. Our resin is made by one of the largest resin manufacturers in the world and is especially formulated for Biodiesel purification so you can be assured of the highest purity standards.

BENEFITS

- ⇒ Dry resin for removing salts, glycerin & soaps.
- ⇒ Acts as a desiccant and removes water.
- ⇒ Use after phase separation & Methanol removal.
- ⇒ Treated biodiesel will meet ASTM and EU specifications.
- ⇒ Maximises yield and reduces biodiesel losses.
- ⇒ Completely dry process - no washing.

Grade	Measure	Bio-Res A	Bio-Res P
Application		Removal of glycerine, soaps & salts from biodiesel	This dried resin can bind and retain unwanted cation salts, un-reacted catalyst, soaps, glycerine & water. Ideal for final polishing of biodiesel.
Appearance		Black spherical beads	Black to dark brown spherical beads
Polymer Structure		Styrene – DVB	Styrene – DVB
Type		Macroporous strong acid	Gel strong acid
Functional Group		R – (SO3)-M+	R – (SO3)-M+
Ionic Form		H+	H+
Moisture Content %	%	< 3	< 3
Capacity in Mass mmol/g	mmol/g	≥ 4.5	
Capacity in Volume mmol/ml	mmol/ml	≥ 1.9	≥ 1.8
Density	g/ml	1.16 – 1.24	1.17 – 1.22
Shipping Weight	g/ml	0.74 – 0.78	0.78 – 0.83
Granularity	%	≥ 95	
Effective particle size range	Mm	0.40 – 0.60	0.40 – 1.20
Uniformity Coefficient		≤1.50	
Swelling (Na-H)	%	≤ 8	≤ 10
Whole bead rate	%	≥ 95	≥ 99
Equivalent		Amberlite BD10	Purolite PD - 206