

INDION® BF170

Biodiesel purification using INDION BF 170

Indion BF170 is a dry ion exchange resin best suited to remove impurities such as trace salts, glycerin and soaps from Biodiesel. This dry resin will act as a desiccant to remove water present in traces in Biodiesel.

Indion BF 170 is used to purify the Biodiesel after phase separation and demethylation stages. Biodiesel treated through BF 170 will meet ASTM or EU specifications for B 100

Each kg of Indion BF 170 will be able to purify 1000 – 1500 kgs of Biodiesel. The life span of the resin depends on Impurity levels in the the feed Biodiesel, the flow rate and quantity of resin in the column.

Characteristics

Appearance	:	Golden yellow to brown beads
Matrix	:	Styrene divinyl benzene copolymer
Functional Group	:	Sulphonic acid
Ionic form as supplied	:	Hydrogen
Solubility	:	Insoluble in water and in common solvents

Specifications

Particle size distribution	:	0.3 to 1.2 mm
Moisture content	:	< 3 %
Total exchange capacity	:	4.5 meq /g dry, minimum

Caution

Indion BF 170 is used in processes which are water free. The resin will swell two to three times its original volume as it absorbs water. The resin also swells while treating Biodiesel as it removes methanol, glycerol etc. Hence, sufficient free space must be provided while designing the columns.

Packing

Pkg

Qty

HDPE carboys with inner - 25/50/100 kgs
Double plastic liner bags

The INDION range of ion exchange resins are produced in the company's state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facilities at Ankleshwar, in the state of Gujarat in India. This datasheet [issues 03/2006] replaces previously issued datasheet

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our Regional Offices for current product specification.

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Storage

Indion BF 170 is hygroscopic in nature. It is therefore essential to store it in a tightly packed container to prevent absorption of atmospheric moisture. If moisture is absorbed, Indion BF 170 can be dried at 90^o to 100^oC for approx 6 hrs, to reduce the moisture content below 3 %.

Ion Exchange Asia Pacific Pte. Ltd.

Registered Office:
45, Cantonment Road,
Singapore 089748
Ph: +65-6334 1088

Sales Office:
48, Toh Guan Road East,
#04-100, Enterprise Hub,
Singapore- 608586
Ph: +65 6515 8997
Fax: +65 6515 8959

Website: www.iciasiapacific.com
Enquiries: sales@iciasiapacific.com