

# **INDION<sup>®</sup>** BF 100

## Bio-diesel Purification

### Description

Indion BF100 is a moist ion exchange resin specially synthesized to remove free fatty acid present as an impurity (0.5 to 1.0%) from Biodiesel.

Indion BF 100 is used to purify the Biodiesel after phase separation and demethylation stages.

Biodiesel treated through BF 100 will have FFA content

less than the specified limits of ASTM or EU specifications for B 100.

Each litre of Indion BF 100 will be able to purify 50 - 100 bed volumes of Biodiesel approximately. The quantity of Biodiesel that can be treated for removal of FFA depends on its concentration in Biodiesel.

### Characteristics

Appearance	:	Off white to brown opaque beads
Matrix	:	Styrene divinyl benzene copolymer
Functional Group	:	Benzyl trimethyl amine
Ionic form as supplied	:	Hydroxide
Solubility	:	Insoluble in water and in common solvents

### Specifications

Particle size distribution	:	0.3 to 1.2 mm
Moisture content (in Cl form)	:	56 - 63 %
Total exchange capacity	:	0.9 meq /ml, minimum

## Benefits

Indion BF 100 is used mainly for removal of FFA from Biodiesel. After exhaustion, the resin can be regenerated and reused repeatedly. It has fairly good life when used only for FFA removal.

## Packing

HDPE Lined bags	25/ 50 lts	LDPE bags	1 cft / 25 lts
Super sack	1000 lts	Super sack	35 cft
MS drums		Fiber drums	
with liner bags	180 lts	with liner bag	7 cfts
HDPE drums	50/100/180 lts		

## Storage

Indion BF 100 is supplied in highly regenerated condition. Any exposure to atmospheric air must be avoided as this will convert it to carbonate form. Therefore Indion BF 100 must always be kept in shade in tightly closed condition.

INDION range of Ion Exchange resins are produced in a state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facilities at Ankleshwar, in the state of Gujarat in India.

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.

**INDION** is the registered trademark of Ion Exchange (India) Ltd.



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