

INDION[®] BSM

Description

INDION BSM is a macro porous grade polystyrene weak base anion exchange resin having n-methyl glucamine functional groups. The unique matrix provides better adsorption kinetics for boron ions. INDION BSM will remove Boron selectively in presence of other anions.

Applications

INDION BSM resin is used in high purity water production, removal of boron from sea water and process water.

Characteristics

Appearance	:	Off white to brown opaque beads
Matrix	:	Styrene divinylbenzene copolymer
Functional group	:	N - Methyl-glucamine
Ionic form as supplied	:	Free base
Total exchange capacity	:	0.70 meq/ml, minimum
Moisture holding capacity	:	43 - 53 %
Shipping weight*	:	700 kgs/m ³ , approximately
Particle size range	:	0.3 to 1.2 mm
> 1.2 mm	:	5.0 %, maximum
< 0.3 mm	:	1.0 %, maximum
Uniformity co-efficient	:	1.7 maximum
Effective size	:	0.4 to 0.5 mm
Maximum operating temperature	:	60 °C
Operating pH range	:	4 to 10
Resistance to reducing agents	:	Good
Resistance to oxidising agents	:	Generally good, chlorine should be absent

*Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.

Storage

Ion exchange resins require proper care at all times. The resin must never be allowed to become dry. Regularly open the plastic bags and check the condition of the resin when in storage. If not moist, add enough clean demineralised water and keep it in completely moist condition. Always keep the resin drum in the shade. Recommended storage temperature is between 20°C - 40°C.

Packing

HDPE Lined bags 25/50 lts. LDPE bags 1cft/25lts

Super sack 1000 lts. Super sack 35 cft

MS drums 180 lts. Fibre drums 7 cft
with liner bags with liner bags

INDION range of ion exchange resins are produced in state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facility at Ankleshwar, Gujarat.

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.

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Safety

Acid and alkali solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. If any oxidising agents are used, necessary safety precautions should be observed to avoid accidents and damage to the resin.

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