ASHA Resins Ltd

ASHAION®

MADE IN INDIA

Anion Exchange Resin A 108

Description:

ASHAION® A 108 is a Type 1 strong base, unifunctional anion exchange resin in bead form, containing trimethyl benzy ammonium groups. It is based on cross-linked polystyrene and has an isoporous structure.

ASHAION® A 108 has a very high basicity. It is effective in removing weak acids such as silica and carbon dioxide and recommended in two stage/multiple stage or mixed bed de-ionising, where high quality de-ionized water and lowest silica residuals are desired.

In addition ***ASHAION®*** A 108 demonstrates stability to high temperature regeneration required for minimum silica leakage. It has a high reversible capacity for the natural organic matter present in some surface waters, with excellent resistance to fouling by this organic matter.

Characteristics:

Appearance	Translucent red brown beads
Matrix	Styrene -EDMA copolymer
Functional Group	Benzyl trimethyl amine
Ionic form as supplied	Chloride
Total exchange capacity	1.2 meq/ml, minimum
Moisture holding capacity	47-55%
Shipping weight *	680 kg/m3 , approximately
Bead strength	300 g/bead, average
Particle size range	0.3 to 1.2 mm
> 1.2 mm	5.0 %, maximum
< 0.3 mm	2.0 %, maximum
Uniformity co-efficient	1.7, maximum
Effective size	0.40 to 0.55 mm
Maximum operating temperature	90 C in Cl and other forms 60 C in OH form
Volume Change	Cl to OH,10-15 %
Operating pH range	0 to 14
Resistance to reducing agents	Good
Resistance to oxidizing agents	Generally good, chlorine should be absent
Osmotic Stability	Excellent

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Packing:

HDPE Lined bags : 25/50 Its

LDPE bags : 1 cft/25 Its

Super sack : 1000 Its

Super sack : 35/40/42 cft

MS/HDPE drums with liner bags : 180/200 Its

Fiber drums with liner bags : 7 cft

Storage:

Ion exchange resins require consistent care to maintain their effectiveness. It is essential to prevent the resin from drying out.

During storage, regularly inspect the resin by opening the plastic bags and checking its condition. If the resin appears dry, add sufficient clean demineralized water to keep it fully moist at all times.

Safety:

Acid and alkali solutions used for regeneration are corrosive and must be handled carefully to prevent contact with the eyes and skin. When using any oxidizing agents, appropriate safety precautions should be taken to prevent accidents and protect the resin from potential damage.

The ***ASHAION®*** range of ion exchange resins is manufactured at state-of-the-art, ISO 9001 and ISO 14001 certified facilities located in Maharashtra, India. To the best of our knowledge, the information provided in this publication is accurate. Asha Resins Limited follows a policy of continuous improvement and reserves the right to modify the information provided herein without prior notice.