

# INDION® 930 A

## Description

INDION 930 A is a macroporous grade polyacrylic strong base type I anion exchanger having quaternary ammonium functional groups. The proper mix of loosely bound crosslinks and highly porous matrix provide it better adsorption kinetics for long chain organic molecules. Such type of molecules generally cause fouling of functional polymers.

However INDION 930 A does not face this problem because it is reversible in regeneration cycle. INDION 930 A is osmotically stable and is supplied in chloride form

## Applications

As INDION 930 A resin has better affinity for colouring matters in chloride form. It can be effectively used as a decolouriser in processing of sugars, starch hydrolysates, textile processing waste water etc.

### Characteristics

Appearance	:	Spherical beads
Matrix	:	Macroporous polyacrylic crosslinked with divinylbenzene
Functional Group	:	Quaternary ammonium
Ionic form as supplied	:	Chloride
Total exchange capacity	:	0.8 meq/ml, minimum
Moisture holding capacity	:	65 - 72 %
Shipping weight *	:	700 kg/m <sup>3</sup>
Particle size range	:	0.3 to 1.2 mm
> 1.2 mm	:	5.0%, maximum
< 0.355 mm	:	2.0%, maximum
Uniformity co-efficient	:	1.7, maximum
Effective size	:	0.45 to 0.60 mm
Maximum operating temperature	:	80° C
Operating pH range	:	1 to 10 for organic removal
Resistance to reducing agents	:	Good
Resistance to oxidising agents	:	Generally good, chlorine should be absent

\* Weight of resin, as supplied, occupying 1 m<sup>3</sup> in a unit after backwashing and draining.

## 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 bags	7 cft

## Storage

Ion exchange resins require proper care at all times. The resins 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 and 40° C.

## 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.

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.

## ION EXCHANGE (INDIA) LTD.

### Corporate Office

Ion House, Dr. E. Moses Road,  
Mahalaxmi, Mumbai 400 011  
Tel: +91 22 3989 0909 | Fax: +91 22 2493 8737  
E-mail: ieil@ionexchange.co.in

### International Division

R-14, T.T.C MIDC, Thane - Belapur Road,  
Rabale, Navi Mumbai 400 701  
Tel: +91 22 3989 0909 / 3913 2400 | Fax: +91 22 2769 7918  
E-mail: export.sales@ionexchange.co.in

### OFFICES

Regional	Telephone	Fax	E-mail
Chennai	+91 44 3989 0909 / 3910 2900	+91 44 2815 3361	checro@ionexchange.co.in
Delhi	+91 11 3989 0909 / 3054 3200	+91 11 2577 4837	delcro@ionexchange.co.in
Kolkata	+91 33 3989 0909 / 3043 3400	+91 33 2400 4345	calcro@ionexchange.co.in
Vashi	+91 22 3989 0909 / 3913 2300	+91 22 2788 9839	mumcro@ionexchange.co.in
Branch			
Bengaluru	+91 80 2204 2888	+91 80285 32002	bngcro@ionexchange.co.in
Bhubaneswar	+91 674 326 9525 / 257 1491		bbsr@ionexchange.co.in
Chandigarh	+91 172 274 5011	+91 172 274 4594	delcro@ionexchange.co.in
Hyderabad	+91 40 3066 3101 / 02 / 03	+91 40 3066 3104	hydcro@ionexchange.co.in
Lucknow	+91 522 319 9911	+91 11 2577 4837	lko.general@ionexchange.co.in
Vadodara	+91 265 302 7489 / 90	+91 265 2352 932	brdcro@ionexchange.co.in
Visakhapatnam	+91 891 324 6253		sales.vizag@ionexchange.co.in

Factories: Ankleshwar | Hosur | Patancheru | Rabale | Verna

All India Service and Dealer Network

[www.ionresins.com](http://www.ionresins.com)