

INDION® 223 H NG

Description

INDION 223 H NG is a nuclear grade strongly acidic cation exchange resin. It is a gel type ion exchanger having cross linked polystyrene matrix and sulphonic

acid functionality. The resin is supplied in highly purified form, free from all impurities.

Characteristics

Appearance	:	Spherical beads
Matrix	:	Styrene divinylbenzene copolymer
Functional group	:	Sulphonic acid
Ionic form as supplied	:	Hydrogen
Bead strength	:	500 g, average
Microscopic examination	:	Surface cracks not more than 5%
Total exchange capacity	:	1.9 meq/ml, minimum
Ionic conversion	:	99% minimum H ⁺
Moisture holding capacity	:	47 - 54 %
Shipping weight *	:	780 kg/m ³ , approximately
Particle size range	:	0.3 to 1.2 mm
> 1.2 mm	:	5.0%, maximum
< 0.3 mm	:	0.5, maximum
Uniformity co-efficient	:	1.7, maximum
Effective size	:	0.45 to 0.55 mm
Stability	:	Stable up to 120°C
		Stable in pH range 0 - 14
		Resistant to oxidizing and reducing agents
		Stable in Radiation field up to 10 ⁷ rad

Impurities

Iron	:	20 mg/l, maximum
Copper	:	10 mg/l, maximum
Heavy metals as Pb	:	10 mg/l, maximum
Water soluble organics	:	0.1 mg KMnO ₄ /ml, maximum

* Weight of resin, as supplied, occupying 1 m³ 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. The drum should therefore be always kept in shade in tightly closed condition.

Safety

Acid and alkali solutions used for regeneration 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.



CORPORATE OFFICE

Ion House, Dr. E. Moses Road, Mahalaxmi, Mumbai 400 011
Tel: 022-3989 0909 Fax: 022-2493 8737
E-mail: ieil@ionexchange.co.in

INTERNATIONAL DIVISION

R-14, T.T.C MIDC, Thane-Belapur Road, Rabale, Navi Mumbai 400 701
Tel: 022-3989 0909/3047 2400 Fax: 022-2769 7918
E-mail: rabcrointl@ionexchange.co.in; export.sales@ionexchange.co.in

REGIONAL OFFICES

- Chennai - Tel: 044-3989 0909/3910 2900 Fax: 044-2815 3361
E-mail: checro@ionexchange.co.in
- Delhi - Tel: 011-3989 0909/3054 3200 Fax: 011-2577 4837
E-mail: delcro@ionexchange.co.in
- Kolkata - Tel: 033-3989 0909/3043 3400 Fax: 033-2400 4345
E-mail: calcro@ionexchange.co.in
- Vashi - Tel: 022-3989 0909/3913 2300 Fax: 022-2788 9839
E-mail: mumcro@ionexchange.co.in

BRANCH OFFICES

- Bengaluru - Tel: 080-2204 2888
E-mail: bngcro@ionexchange.co.in
- Bhubaneswar - Tel: 0674-326 9525
E-mail: bbsr@ionexchange.co.in
- Chandigarh - Tel: 0172-274 5011 Fax: 0172-274 4594
E-mail: delcro@ionexchange.co.in
- Hyderabad - Tel: 040-3066 3101/02/03 Fax: 040-3066 3104
E-mail: hydrcro@ionexchange.co.in
- Lucknow - Tel: 0522-301 3401/02 Fax: 0522- 301 3401
E-mail: luk.general@ionexchange.co.in
- Vadodara - Tel: 0265-302 7489/90 Fax: 0265-239 8508
E-mail: brdcro@ionexchange.co.in
- Visakhapatnam - Tel: 0891-324 6253
E-mail: sales.vizag@ionexchange.co.in

FACTORIES : Ankleshwar • Hosur • Patancheru • Rabale • Verna
ALL INDIA SERVICE AND DEALER NETWORK

Visit us at : www.ionindia.com