

INDION[®] 225 Na F

Description

INDION 225 NaF is a strongly acidic cation exchange resin containing sulphonic acid groups. It is specially designed for the treatment of foodstuffs, beverages, portable water and water used in the processing of food. Its specification is in compliance with the U.S. Food and Drug Administration Code of Federal

Regulations section 21, paragraph 173.25; for use in the treatment of foods for human consumption. The resin is extremely robust and has excellent physical and chemical characteristics. It is supplied in moist condition in sodium form.

Characteristics

| | | |
|--------------------------------|---|--|
| Appearance | : | Golden yellow beads |
| Matrix | : | Styrene divinylbenzene copolymer |
| Functional Group | : | Sulphonic acid |
| Ionic form as supplied | : | Sodium |
| Total exchange capacity | : | 2.0 meq/ml, minimum |
| Moisture holding capacity | : | 43 – 50 % |
| Shipping weight * | : | 840 kg/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 | : | 0.45 to 0.55 mm |
| Maximum operating temp. | : | 140 °C |
| Operating pH range | : | 0 to 14 |
| Resistance to reducing agents | : | Good |
| Resistance to oxidizing agents | : | Generally good, chlorine should be absent |
| Organic extractives water | : | 1 mg/l maximum in deionised water |
| (As per USFDA 21 CFR 173.25) | : | 1 mg/l maximum in 15% v/v ethanol solution |

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

* 1 bv = 1 m³ per m³ of resin volume

Packing

INDION 225 NaF is supplied in standard packs of 25 litres.

The material is packed in plastic bags. Other packings can be considered on request.

Storage

INDION 225 NaF resin beads must never be allowed to become dry. Therefore always store resin bags in the shade.

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.



CONFORMANCE STATEMENT:

This product conforms to NSF / ANSI Standard 61 and is certified with GOLD SEAL from WQA

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. This product data sheet (issue 09/2008) replaces previous issues.

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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