



Indion® 225 NaF Resin Media

INDION 225 NaF Resin Media is a strongly acidic cation exchange resin containing sulphonic acid groups. It is specially designed for the treatment of foodstuffs, beverages, potable water and water used in food processing. Its specification is in compliance with the U.S. Food and Drug Administration's (USFDA) Code of Federal Regulations (CFR) Title 21, Paragraph 173.25, for use in the treatment of foods for human consumption, and is Tested and Certified by NSF International. The resin is extremely robust and has excellent physical and chemical characteristics. It is supplied in moist condition in sodium form.

Recommended Usage

After charging in the service vessel, it is highly recommended that INDION 225 NaF Resin Media be thoroughly washed with 20 bv* of deionized water to ensure the organic leachables are well within limits. This procedure is to be done only after initial charge, or in case the service vessel is out of operation for a long period.

Packing

- LDPE bags: 1 cu. ft. (28.3 L)
- Super sack: 35 cu. ft. (991.1 L)
- Fiber drums with liner bags: 7 cu. ft. (198.2 L)

Storage

INDION 225 NaF resin beads must never be allowed to become dry. 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 oxidizing agents are used, necessary safety precautions should be observed to avoid accidents and damage to the resin.

*1 bv = 1 cu. ft. per cu. ft. of resin volume.

INDION®

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| 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* | 52 lb/cu. ft. (830 kg/m ³) [approximate] |
| Particle Size Range | 0.012 to 0.047 inches (0.3 to 1.2 mm) |
| +16 mesh | 5.0% maximum |
| -50 mesh | 1.0% maximum |
| Uniformity Coefficient | 1.7 maximum |
| Effective Size | 0.018 to 0.022 inches (0.45 to 0.55 mm) |
| Operating pH Range | 0 to 14 |
| Maximum Operating Temperature | 284°F (140°C) |
| Resistance to Reducing Agents | Good |
| Resistance to Oxidizing Agents | Generally good, chlorine should be absent |
| Organic Extractives (As per USFDA 21 CFR 173.25) | 1 ppm (1 mg/l) maximum in deionized water 1 ppm (1 mg/l) maximum in 15% v/v ethanol solution |

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

Impurities

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| Iron | 100 ppm (100 mg/l) maximum as Fe |
| Heavy Metals | 20 ppm (20 mg/l) maximum as Pb |
| Arsenic | 3 ppm (3 mg/l) maximum as As |



Certified to NSF/ANSI 61