

# EPICOR™ EPIFLOC 91-NH₄ - AMMONIUM FORM POWDERED ION EXCHANGE RESIN / FIBER MIXTURE

This material contains approximately nine (9) parts ion exchange resin to one (1) part inert fiber by dry weight. The resin portion shall have a dry weight ratio of approximately five (5) parts anion to four (4) parts cation.

#### **1. POWDERED CATION RESIN COMPONENT**

Strongly acidic, sulfonic acid functional group. 60 - 400 mesh, mostly 200 - 400 mesh. Total capacity - 4.5 meq / gram of dry resin (minimum). Ammonium form - minimum 95% exchange groups as ammonium ion. Moisture content less than 48%. Metallic impurities:

Metallic impurities:

- < 50 ppm Fe
- < 10 ppm Cu
- < 50 ppm Al
- < 10 ppm heavy metals (as Pb)

### 2. POWDERED ANION RESIN COMPONENT

Strongly basic, Type I, quarternary ammonium functional group. 60 - 400 mesh size, mostly 200 - 400 mesh. Total capacity - 3.8 meq / gram of dry resin (minimum). Hydroxide form - minimum 95% exchange groups as hydroxide (OH) ion. Moisture content 55 - 60%. Metallic impurities:

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- < 50 ppm Fe
- < 10 ppm Cu
- < 50 ppm Al
- < 10 ppm heavy metals (as Pb)

## 3. EPIFLOC 91-NH4 MOISTURE 70 - 75% (APPROXIMATE

This product is used as precoat media in filter demineralizers for condensate polishing in power plant operating at elevated pH.



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#### ABOUT

For over 50 years Evoqua's EPICOR<sup>™</sup> resins have been considered an essential component of critical water treatment applications in both fossil-fuel and nuclear power plants. EPICOR specialty resins are also widely used in high-purity and ultra-pure water treatment systems.