

USF A-499 ANION RESIN

Description:

USF A-499 is a high capacity, uniform particle size, weak base anion exchange resin. This resin is a polymer of styrene cross-linked with divinylbenzene manufactured to yield a macroporous structure in the shape of a spherical bead. This resin has a wide variety of applications ranging from general water treatment to food and pharmaceutical processing.

Chemical Properties

Ionic Form (as shipped)	Free base (OH form)
Moisture Content	40% - 50% (free base form)
Exchange Capacity	1.7 meq / ml minimum (free base form)

Physical Properties

Particle Screen Sizing	
+16 Mesh	1%
- 50 Mesh	1%
Whole Beads (%)	95 minimum
Shipping Weight	40 lbs. / cu. ft.

Operating Conditions

Operating pH Range	0 to 7
Service Flow Rate	0.2 to 3.0 gpm / cu. ft.
Maximum Operating Temperature	140°F

Additional Specs for Pharmaceutical Applications:

Formaldehyde	< 0.1 ppm
Ammonia	< 0.3 ppm