

## USF A-464LC OH ANION RESIN

### Description:

USF A-464LC OH is a Type I porous strong base gel anion resin consisting of a styrene divinylbenzene matrix supplied in the hydroxide form. This resin product is specially processed to provide excellent mixed bed separation, low TOC leachables and very low chloride content. It is analyzed kinetically to ensure it is capable of producing high-quality mixed bed deionized water.

### Chemical Properties

Functional Group	Trimethylamine
Ionic Form (as shipped)	Hydroxide
Moisture Content	52 - 59% (Cl form)
Exchange Capacity	1.0 meq / ml minimum (OH form)
Conversion to Hydroxide Form	94% minimum
Impurities	
Sulfate (SO <sub>4</sub> )	0.5% maximum
Chloride (Cl)	0.1% maximum
Carbonate (CO <sub>3</sub> )	5% maximum
Kinetics	> 17 megohm (Siemens Kinetics Test)

### Physical Properties

Particle Screen Sizing	
+16 Mesh	5% maximum
-50 Mesh	0.5% maximum
Whole Beads (%)	90 minimum
Shipping Weight	40 lbs. / cu. ft.

### Operating Conditions

Operating pH Range	0 to 14
Service Flow Rate	2 - 4 gpm / cu. ft.
Regenerant Flow Rate	0.25 - 0.5 gpm/cu. ft.
Rinse Flow Rate	0.25 - 0.5 gpm / cu. ft. initially, then 1.5 gpm / cu. ft.
Rinse Volume	60 - 75 gallons / cu. ft.
Maximum Operating Temperature	140°F