

## GA-202

### Nitrate Selective Resin

#### Product Description & Applications

G-ion GA-202 is a macroporous strong base anion exchange resin supplied in the chloride form as moist, tough, spherical beads, specially designed for the removal of nitrates from water for potable processes. It has high capacity and good physical stability.

The macroporous matrix and special ion exchange group functionality imparts ideal nitrate selectivity to G-ion GA-202 making this resin particularly suitable for nitrate removal even when moderate to high concentrations of sulphate are present.



#### Typical Physical & Chemical Characteristics

Polymer Matrix Structure	Macroporous, Styrene / DVB
Functional Group	R-N-R3+Cl-
Ionic Form, as shipped	Cl-
Physical Form And Appearance	Clear Spherical Beads
Puerility	95% min.
Screen Size Range-U.S. Standard Screen	16-50 mesh, wet
Particle Size Range	0.315-1.25mm
Uniformity Coefficient	1.6 max.
Water Retention, Na+ form	43-48%
Swelling Na+ H+ → Ca <sup>2+</sup> → Na+	10% max. 5% max.
Shipping Weight, Na+ form	780-880 g/l (51 lbs/cu.ft, approx.)
Total Exchange Capacity, Na+ form	2.0 eq/l min.
pH Range	0-14