

## GA-204

### Nitrate and Perchlorate Selective Resin

#### Product Description & Applications

G-ion GA-204 is a strong base anion resin supplied in the chloride form as moist, tough, spherical beads. It exhibits an unusually high preference for perchlorate and a very low affinity for multivalent ions, it is the resin of choice for single-use perchlorate removal applications.

It is also suggested for nitrate removal applications where brine recovery is practiced. The use of GA-204 essentially eliminates all monovalent “dumping” making it also highly useful in nitrate removal applications. Its nitrate and perchlorate operating capacity is virtually unaffected by the presence of sulfates.



#### Typical Physical & Chemical Characteristics

Polymer Matrix Structure	Gel, Styrene / DVB
Functional Group	Tributylamine
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 <sup>+</sup> H <sup>+</sup> → Ca <sup>2+</sup> → Na <sup>+</sup>	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