

Chromalite® CGA200x4

**Gel Strong Base Anion Activated
Styrene/ Polydivinylbenzene
Copolymer**

Chromalite CGA200x4 is a chromatographic anion exchange resin with a polymer designed for small organic and inorganic compound separation and purification. It contains 200 m styrenic resin beads crosslinked with 4% divinylbenzene (DVB). Our [proprietary manufacturing method](#) creates perfectly spherical beads with exceptional kinetic and packing properties.

Unlike similar products on the market, Chromalite CGA and CGC resins are supplied in highly pure form (very low extractables content) and do not require pre-treatment. As such they are suitable for pharmaceutical applications.

Equivalent to:

- Dowex® 1X4 50-100 mesh (Dow)
- AG 1-X4 Resin (Bio-Rad)

Note:

CGA resins occasionally exhibit an amine odour after prolonged storage (this will not affect performance).

In such cases it is recommended to rinse the affected resin with sufficient volumes of water to remove the odour before putting the resin into service.

PRINCIPAL APPLICATIONS

- Ion exchange chromatography
- Desalting of biomolecules after fermentation
- Suitable for inorganic, organic and biological molecule separation

ADVANTAGES

- High chemical stability
- Medium capacity
- Large particle size optimal for large column packing
- High purity
- Exceptional kinetic and packing properties

REGULATORY APPROVALS

- Compliant with FDA regulation 21 CFR 173.25
- Compliant with ResAP(2004) 3
- Halal
- Kosher
- TSE/BSE/GMO free

TYPICAL PACKAGING

- 250 g
- 1 kg

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

| | |
|------------------|--|
| Appearance | Pale yellow to dark yellow spherical beads |
| Functional Group | Quaternary Ammonium |
| Supplied as | Wet in Cl ⁻ form |

| | |
|--|---------------|
| Volume capacity (min.) | 1 eq/l |
| Weight capacity (min.) | 4 eq/Kg |
| Particle size (90% in Range) | 150 - 300 µm |
| Particle size (90% in the range) | 50 - 100 mesh |
| Mean Diameter | 200 - 250 µm |
| Uniformity Coefficient (max.) | < 1.5 |
| Total moisture | 55 - 70 % |
| pH limit stability | 1 - 14 |
| Optimal storage condition | 2 - 20 °C |
| Ionic Form | Cl- |
| Expiry date (from date of manufacture) | 5 years |
| % Crosslinking | 4 |