

Chromalite® CGA100x4

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

Chromalite CGA100x4 is a chromatographic anion exchange resin with a polymer designed for small organic and inorganic compound separation and purification. It contains 100 m styrenic resin beads crosslinked with 8% 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 100-200mesh (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
- Medium particle size for high performance
- 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)	50 - 175 µm
Particle size (90% in the range)	80 - 270 mesh
Mean Diameter	75 - 125 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