PRODUCT DATA SHEET

# Chromalite® CGA100x8

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

Chromalite CGA100x8 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® 1X8 100-200mesh (Dow)
- AG 1-X8 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
- High capacity
- Medium particle size for high performance
- High purity
- Exceptional kinetic and packing properties

## REGULATORY APPROVALS

- Compliant with FDA regulation 21 CFR 173.29
- 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 |

Purolite® Life Sciences

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| | |
|---|---|
| Volume capacity (min.) | 1.2 eq/l |
| Weight capacity (min.) | 3.5 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 | 40 - 55 % |
| pH limit stability | 1 - 14 |
| Optimal storage condition | 2 - 20 °C |
| Ionic Form | Cl- |
| Expiry date (from date of manufacture) | 5 years |
| % Crosslinking | 8 |

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