PRODUCT DATA SHEET

Chromalite® CGC200x4

Gel Strong Acid Cation Activated Styrene/ Polydivinylbenzene Copolymer

Chromalite CGC 200x4 is a chromatographic cation exchange resin designed for small organic and inorganic compound separation and purification polymer. 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, our 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; 50WX4 50-100 mesh (Dow)
- AG 50W-X4 Resin (Bio-Rad)

Note:

CGC resins occasionally exhibit colour release into surrounding water 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 this colour release 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 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	Orange to dark brown spherical beads
Functional Group	Sulphonic acid
Supplied as	Wet in H+ form

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Volume capacity (min.)	1.1 eq/l
Weight capacity (min.)	5 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	60 - 75 %
pH limit stability	1 - 14
Optimal storage condition	2 - 20 °C
Ionic Form	H+
Expiry date (from date of manufacture)	5 years
% Crosslinking	4