

Chromalite® 5AD2

Macroporous Polydivinylbenzene
Adsorbent

Chromalite 5AD2 is a non-functionalized, highly crosslinked, highly porous polymer. Available in small, uniform particle sizes, Chromalite 5AD2 is ideal for reverse-phase high pressure liquid chromatography (RP-HPLC). The spherical beads show exceptional batch-to-batch consistency, enabling simple scale-up from laboratory analyses through to full-scale plant operation.

Can be preppacked into the following:

[Analytical HPLC Column](#)

[Preparative HPLC Column](#)

PRINCIPAL APPLICATIONS

- Analytical Reverse Phase chromatography (RP-HPLC)
- Separation of proteins, peptides and oligonucleotides
- Ideal for biomolecules purification and polishing

ADVANTAGES

- Highly hydrophobic
- High chemical stability
- More robust than silica materials
- Easy packing for HPLC application
- Efficient regeneration
- Narrow particle size

REGULATORY APPROVALS

- Compliant with FDA regulation 21 CFR 173.65
- Compliant with ResAP(2004) 3
- Halal
- Kosher
- TSE/BSE/GMO free

TYPICAL PACKAGING

- 10g
- 50g
- 100g

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	White Spherical Beads
Functional Group	None
Supplied as	Dry in 20% EtOH solution
Surface Area (min.)	500 m ² /g
Porosity, Median Pore Diameter	200 - 300 Å
Particle size (90% in Range)	3 - 7 µm
Mean Diameter	4 - 6 µm
Uniformity Coefficient (max.)	< 1.15

Total moisture	0 - 5 %
pH limit stability	1 - 14
Optimal storage condition	2 - 20 °C
Ionic Form	None
Expiry date (from date of manufacture)	5 years