

Chromalite® 5AD1

**Macroporous Polydivinylbenzene
Adsorbent**

Chromalite 5AD1 is a non-functionalized, highly crosslinked, low porosity polymer. Available in small, uniform particle sizes, Chromalite 5AD1 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 prepacked into the following:

[Analytical HPLC Column](#)

[Preparative HPLC Column](#)

PRINCIPAL APPLICATIONS

- Analytical HPLC
- Bio-separation

ADVANTAGES

- Highly hydrophobic
- High chemical stability
- Narrow particle size
- Large surface area
- Low extractable content
- Excellent selectivity
- Efficient regeneration

REGULATORY APPROVALS

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

TYPICAL PACKAGING

- 10 g
- 50g
- 100g

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene highly crosslinked with divinylbenzene
Appearance	Uniform spherical beads
Functional Group	None
Ionic Form	None
Mean Diameter	4 - 6 µm
Particle size (90% in Range)	3 - 7 µm
Moisture Retention	< 5%
Porosity, Median Pore Diameter	100 - 200 (BET) Å
Surface Area (min.)	>500 (BET) m ² /g
pH limit stability	1 - 14

Supplied as	Dry
Uniformity Coefficient (max.)	< 1.15
Total moisture	0 - 5 %
Optimal storage condition	2 - 20 °C
Expiry date (from date of manufacture)	5 years