

Chromalite® 5AD1 (Preparative HPLC Column)

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.

Packed into columns, sizes includes:

10.0mm x 150mm
10.0mm x 250 mm
21.2mm x 50mm
21.2mm x 100mm
21.2mm x 150mm
21.2mm x 250mm
30.0mm x 50mm
30.0mm x 100mm
30.0mm x 150mm
30.0mm x 250mm
50.0mm x 50mm
50.0mm x 250mm

PRINCIPAL APPLICATIONS

- Preparative Reverse Phase chromatography (RP-HPLC)

TYPICAL PACKAGING

- Prepacked Column

ADVANTAGES

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

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous Polydivinylbenzene Adsorbent
Functional Group	None
Inner diameter	10 mm
Packed bed height	150 mm
Column material	Stainless steel

Surface Area (min.)	500 m ² /g
Porosity, Median Pore Diameter	100 - 200 Å
Particle size (90% in Range)	3 - 7 µm
Uniformity Coefficient (max.)	< 1.15
Total moisture	0 - 5 %
pH limit stability	1 - 14
Optimal storage condition	2 - 20 °C
Expiry date (from date of manufacture)	5 years