

# Chromalite®

## 70MN

### Polystyrenic Adsorbent

Chromalite 70MN is a hyper-crosslinked macroporous copolymer with a hydrophobic polystyrene matrix.

Our [proprietary manufacturing method](#) produces a polymer with an extremely large surface area - ideal for hydrophobic interaction and adsorption.

Chromalite 70MN is manufactured to a controlled porosity and particle size specification to ensure efficient column packing.

#### PRINCIPAL APPLICATIONS

- Solid Phase Extraction
- Analytical Reverse Phase chromatography (RP-HPLC)
- Adsorption of biomolecules
- Extraction from biological fluids

#### ADVANTAGES

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

#### REGULATORY APPROVALS

- Compliant with FDA regulation 21CFR177.2710
- Compliant with ResAP(2004) 3
- Halal
- Kosher
- TSE/BSE/GMO free

#### TYPICAL PACKAGING

- 50g
- 100g
- 250g

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

|                                |                                      |
|--------------------------------|--------------------------------------|
| Appearance                     | Orange to dark brown spherical beads |
| Functional Group               | None                                 |
| Supplied as                    | Dry                                  |
| Surface Area (min.)            | 1200 m <sup>2</sup> /g               |
| Porosity, Median Pore Diameter | 200 - 250 Å                          |
| Particle size (90% in Range)   | 60 - 80 µm                           |
| Mean Diameter                  | 65 - 75 µm                           |
| Uniformity Coefficient (max.)  | < 1.15                               |
| Total moisture                 | 0 - 5 %                              |
| pH limit stability             | 1 - 14                               |
| Optimal storage condition      | 2 - 20 °C                            |
| Ionic Form                     | None                                 |

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|----------------------------------------|---------|
| Expiry date (from date of manufacture) | 5 years |
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