

Macronet™ MN150

Hyper-crosslinked Polystyrenic
Macroporous, Adsorbent Resin,
Weak Base Functionality, Free Base
form

PRINCIPAL APPLICATIONS

- Sorption
- Hydrophobic organic species separation
- Decolorization - Sweeteners
- Decolorization - Beer Broths
- Porphyrines encapsulation

ADVANTAGES

- High mechanical strength
- High surface area compared to a standard adsorbent
- Dual IEX/hydrobobic interaction

REGULATORY APPROVALS

- IFANCA Halal Certified
- Kosher Certified
- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers
- Compliant with Europe Resolution ResAP (2004)3
- GMO/TSE/BSE free

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Tertiary Amine
Ionic Form	FB
Total Capacity	0.2 eq/L (4.4 Kgr/ft³) (Cl⁻ form)
Moisture Retention	50 - 58 % (Cl⁻ form)
Mean Diameter	535 ± 85 µm
Particle Size Range	300 - 1200 µm
Uniformity Coefficient (max.)	1.4
Reversible Swelling, FB → Cl⁻ (max.)	5 %
Pore Volume (min.)	0.6 mL/g
Specific Gravity	1.09
d50, Meso and Macropores (min.)	460 Å
d50, Micropores	14 Å
SBC (max.)	20 %
Surface Area (min.)	800 m²/g
Shipping Weight (approx.)	685 - 720 g/L (42.8 - 45.0 lb/ft³)
Temperature Limit	60 °C (140.0 °F) (FB form)
pH Limits, Stability	0 - 14



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