

TRILITE® GSH-20

Synthetic Adsorbent

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TRILITE® GSH-20 is a nonionic, hydrophobic, cross-linked polymeric adsorbent. Its adsorption function came from its macroreticular pore structure, high surface area, designed pore size distribution, and aromatic nature of its pore surface. TRILITE® GSH-20 has excellent osmotic and thermal stability, it could sever a long life cycle by regenerations. It could be used for the selective separation of a wide variety of large organic molecules from aqueous solutions or polar solvents such as plant extracts, antibiotics, and fermentation products.

Physical and Chemical Properties

Matrix	Styrene-DVB Copolymer	Functional group	-
Particle density(g/ml)	1.0~1.1	Shipping density(g/l)	650~750
Moisture retention(%)	58~68	Uniformity coefficient	1.6 ↓
Particle size(mm)	0.315~1.25	Specific surface area(m ² /g)	750 ↑
Pore radius(Å)	50~80		

Recommended Operating Conditions

Operating Temp(°C)	110	pH range	0~14
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Applications

Widely used in refining of pharmaceuticals and natural extracts, since these are suitable for adsorbing large molecules because of their relatively large pore sizes and superior adsorption/ desorption. GSH20 is widely used in various industrial applications, especially adsorption, desalting and Decolorization of natural products and small proteins.

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Samyang's TRILITE Ion exchange resins are produced based on the ISO 9001, ISO 14001 certification.

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