

TRILITE® CMP08H

Gaussian Strong Acid Cation Exchange Resin, Macroporous

Rev 3. Jan 2023

TRILITE® CMP08H is a SAC, low cross-linked porous-type exchange resin and it has numerous macro-pores, allowing it to quickly react with substances of high molecular weight. TRILITE® CMP08H also has high cross-linking density, outstanding performance against mechanical wear, and high physical and chemical stability. It is used in various applications such as water treatment, sugar refining, and catalysis.

Physical and Chemical Properties

Matrix	Styrene-DVB, Macroporous	Functional Group	Sulfonic acid
Ionic Form	H ⁺	Total Capacity(eq/ℓ)	4.9 ↑
Shipping Density(g/ℓ)	1.1 ↑	Moisture Retention(%)	720
Particle Density	65~71	Uniformity Coefficient	1.6 ↓
Particle Size(μm)	300~1,200	Swelling Rate(Na ⁺ →H ⁺ , %)	9.4
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	120(H ⁺), 140(Na ⁺)	pH Range	0~14
Bed Depth(mm)	750	Service Flow Rate(m/h)	8~40

Regeneration

Regenerant	HCl	Concentration(%)	3~10
Level(g/ℓ)	50~160	Flow Rate(m/h)	4~8
Rinse Requirement(BV)	5~10		

Applications

TRILITE® CMP08H is widely used in various fields such as water treatment, sugar and pharmaceutical purification, amino acid separation and purification, catalysis and acidic catalyst for various chemical reactions, organic chemical reactions, and special purification.

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

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