Technical Data Sheet

TRILITE® MC-04H

Uniform Particle Size Strong Acid Cation Exchange Resin

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TRILITE® MC-04H is a UPS, SAC gel-type resin. TRILITE® MC-04H is a low cross-linkage product and specifically treated and improved for catalytic applications. It has outstanding mechanical and chemical stability. TRILITE® MC-04H is supplied by H+ form.

Physical and Chemical Properties			
Matrix	Polystyrene+DVB, Gel	Functional Group	Sulfonic acid
Ionic Form	H^+	Total Capacity(eq/ℓ)	1.20 ↑
Shipping Density(g/ℓ)	750	Moisture Retention(%)	65~70
Particle Density	1.13	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	500±50	Swelling Rate(Na^+→H^+, %)	9
Whole Beads(%)	95 ↑		

Recommended Operating Conditions			
Operating Temp(℃)	120 ↓	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	10~40
Regeneration			
Regenerant	HCl / H_2SO_4	Concentration(%)	HCl (4~10) / H_2SO_4 (1~4)
Level(g/ℓ)	50~200	Flow Rate(m/h)	2~10
Rinse Requirement(BV)	2~10		

Applications

TRILITE® MC-04H is widely used as a catalyst in various chemical reactions (such as Bisphenol-A) and for the separation and refining of nucleic and amino acids as it exhibits a fast ion exchange rate.

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

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TRILITE 삼양 트리라이트 Ion Exchange Resin

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