

# TRILITE® UKC-08

Uniform Particle Size Strong Acid Cation Exchange Resin

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TRILITE® UKC-08 is a UPS, SAC gel-type exchange resin with excellent ion removal capacity, which allows for the economical production of high-purity water. TRILITE® UKC-08 is a standard cross-linked product with outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. It is supplied in its Na<sup>+</sup> form.

## Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Sulfonic acid
Ionic Form	Na <sup>+</sup>	Total Capacity(eq/ℓ)	2.00 ↑
Shipping Density(g/ℓ)	840	Moisture Retention(%)	42~47
Particle Density	1.28	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	600±50	Swelling Rate(Na <sup>+</sup> →H <sup>+</sup> , %)	9
Whole Beads(%)	95 ↑		

## Recommended Operating Conditions

Operating Temp(°C)	120 ↓	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~50

## Regeneration

Regenerant	HCl, H <sub>2</sub> SO <sub>4</sub> , NaCl	Concentration(%)	HCl(4~10), H <sub>2</sub> SO <sub>4</sub> (1~4), NaCl(8~12)
Level(g/ℓ)	50~200	Flow Rate(m/h)	2~10
Rinse Requirement(BV)	2~6		

## Applications

TRILITE® UKC-08 is widely used for industrial water softening and demineralization, as well as general water treatment.

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

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**Ion Exchange Resin**

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