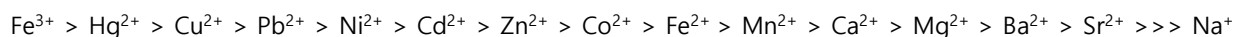


**TRILITE® CLR-08**

Chelating Resin for Metals Removal

Rev.1 July 2018

TRILITE® CLR-08 is based on a high porous styrenic matrix, and provides an iminodiacetic acid chelating cation exchange resin. TRILITE® CLR-08 has high selectivity for Ca<sup>2+</sup>, Mg<sup>2+</sup> especially Sr<sup>2+</sup>, Ba<sup>2+</sup> in chloralkali industry in brines. TRILITE® CLR-08 features high whole bead count, good resistance to chemical and physical stability and high capacity. TRILITE® CLR-08 is shipped by Na<sup>+</sup> Type. Selectivity is like below.

**Physical and Chemical Properties**

Physical Form	Beige opaque beads	Matrix	Styrene-DVB, Macroporous
Functional Group	Iminodiacetic acid	Ionic Form	Na <sup>+</sup>
Total Capacity(eq/ℓ)	2.6 ↑	Cu Capacity(Cu-eq/ℓ-R)	0.5 ↑
Shipping Density(g/ℓ)	760	Moisture Retention(%)	51~59
Uniformity Coefficient	1.5 ↓	Particle Density	1.17
Whole Beads(%)	90 ↑	Particle Size(mm)	0.40~1.00
Swelling (H <sup>+</sup> →Na <sup>+</sup> , %)	30	<0.4mm (%)	2

**Recommended Operating Conditions**

Operating Temp(°C)	80(H <sup>+</sup> ), 120(Na <sup>+</sup> )	pH Range	2 ~ 9 (recommended)
Bed Depth(mm)	1,000	Service Flow Rate(m/h)	10~40
Regeneration			
Regenerant	HCl, H <sub>2</sub> SO <sub>4</sub>	Concentration(%)	HCl(2~8), H <sub>2</sub> SO <sub>4</sub> (1~4)
Level(g/ℓ)	100~250	Flow Rate(BV/hr)	4~8
Conditioning	NaOH	Concentration(%)	1~4
Level(g/ℓ)	40~60	Flow Rate(BV/hr)	2~4
Rinse Requirement(BV)	4~7 (Softened Water)		

**Applications**

TRILITE® CLR-08 is recommend for Purification of Brine in the chloralkali industry, Electroplating industry, Copper removal, recovery or removal of the Heavy metals.

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

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