

# Bestion® MFC01

## Macroporous Chelating Resin

### Description

**MFC01** is a special chelating resin with Bis-Picolylaminefunction group. Its special pore character and functional group makes it suitable for capturing transition metal ions from solutions of PH lower than 2.

Conditions for using this type of resin:

- 1) Cobalt/Nickel Separation in nickel plant
- 2) Purification of Trivalent Chromium Plating Bath. With high concentration of sulfuric acid, metals like cobalt, nickel, iron and zinc could be eluted, copper would still stay on the resin, by using 2N ammonium hydroxide, copper could be eluted as well.

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure		Styrene-DVB
Appearance		opaque spherical particles
Type		Macroporous Chelating Resin
Ionic form		FB/SO <sub>4</sub>
Functional group		Bis-Picolylamine
Moisture Content	%	45-50
Chelated Copper (min.)	g/L	≥35
Particle Size Range	0.315-1.25mm	≥95
Uniformity Coefficient	max.	≤1.6
Shipping Weight	g/ml	0.65-0.75
Temperature Limit	°C	60
Whole Spherical Rate After Attrition	%	≥90

#### TYPICAL PACKAGING

- 25L PE bag
- 1 Cubic feet
- 1000L Super Sacks