

# Bestion® BMTR

## Macroporous Chelating Resin

### Description

**BMTR** is a macroporous chelating resin, with Thiol group designed for the selective removal of mercury and for the recovery of precious metals from the industrial effluents. The mercury, in particular, is strongly bound to the functional groups to form highly stable complexes, with high selective affinity compared with those of other heavy metals. The order of selectivity of BMTR is Hg>Ag>Cu>Pb.

BMTR is also used in hydrometallurgy for the separation of precious metals from acid liquors. Free chlorine and other strong oxidizing agents may damage the resin and their removal from solution is recommended.

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure		Styrene-DVB
Appearance		Pale yellow opaque spherical particles
Type		Macroporous Chelating Resin
Ionic form		H <sup>+</sup>
Functional group		Thiol
Moisture Content	%	45-52
Mercury Capacity (min.)	g/L	≥200
Particle Size Range	0.315-1.25mm	≥95
Uniformity Coefficient	max.	≤1.6
Reversible Swelling	Na → H max %	≤10
Shipping Weight	g/ml	0.70-0.74
Temperature Limit	°C	80
Whole Spherical Rate After Attrition	%	≥90

#### TYPICAL PACKAGING

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