



# ANION EXCHANGE RESIN AV-17-8

GOST20301-74

Top grade strong base anion exchange resin (gel type). It is characterized with high chemical stability and mechanical strength.

GENERAL DESCRIPTION	
Matrix	styrene-DVB
Functional group	quaternary trimethylammonium groups
Polymer structure	gel
Ionic form	Cl <sup>-</sup> chloride

## Application area:

- water treatment;
- hydrometallurgy;
- sewage and recycled water treatment;
- chemical industry.

## Physical and Chemical Characteristics:

CHARACTERISTICS	STANDARD VALUE
Appearance	Spherical beads, light yellow to dark brown in colour
Particle size range, mm	0.315-1.250
Volume of effective size fraction, % min	95
Effective particle size, mm max	0.4-0.6
Uniformity coefficient, max	1.7
Moisture retention, %	35-50
Osmotic stability, %, min	92.5
Bulk volume factor in OH <sup>-</sup> form, cm <sup>3</sup> /g	3.0 ± 0.3
Total capacity, mmol/cm <sup>3</sup> (mg-eq/cm <sup>3</sup> ), min	1.15
Equilibrium static exchange capacity, mmol/cm <sup>3</sup> (mg-eq/cm <sup>3</sup> ), min	1.00
Dynamic exchange capacity with regenerant flowrate target, mmol/m <sup>3</sup> (g-eq/m <sup>3</sup> ), min	700
Oxidation of product in oxygen equivalent, mg/l, max	0.55