

CATION EXCHANGE RESIN KU-2-8 chS

GOST 20298-74

Top grade strong acid cation exchange resin (gel type). It is characterized with high chemical stability and mechanical strength. The resin is manufactured in H⁺ form. Conversion to H⁺ form is not less than 99%. It contains minimum amounts of chloride and iron ions and organic substances. Its high purity allows using the cation exchange resin for deep water demineralization.

GENERAL DESCRIPTION	
Matrix	Styrene-DVB
Functional group	sulfonic group
Polymer structure	gel
Ionic form	H ⁺ - Hydrogen

Application area:

- peep purification of water;
- separation of various elements;
- production of ultrapure substances in food, health and pharmaceutical industries.

Physical and Chemical Characteristics:

CHARACTERISTICS	STANDARD VALUE
Appearance	Spherical beads, yellow to dark brown in colour
PARTICLE SIZE DISTRIBUTION	
Particle size range, mm	0.40-1.25
Effective particle size, mm max	0.45-0.65
Volume of effective size fraction, % min	95
Uniformity coefficient, max	1.7
Moisture retention, %	48-58
Specific volume, cm ³ /g, BH ⁺ form, max	2.7
Total capacity, mmol/cm ³ (mg-eq/cm ³), min	1.80



Table con'd (Physical and Chemical Characteristics)

Dynamic exchange capacity with full regeneration, mmol/m ³ (g-eq/m ³), min	1600
Water product oxidation in oxygen equivalent, mg/g max	0.5
Osmotic stability, %, min	96
Product pH value, min	4.5
Iron mass fraction, % max	0.03
Mass fraction of chloride ions, mg/cm ² , max	0.0015