



# ANION EXCHANGE RESIN TOKEM-405 NR

TR 2227-042-72285630-2015

Weak base nuclear grade anion exchange resin (gel type).

## GENERAL DESCRIPTION

Matrix	Polyacrylate
Functional group	tertiary amine
Polymer structure	gel
Ionic form	free base

### Application area (according to Standard Protocol RD EO 1.1.2.25.0161-2009):

- for using in anion exchange filters of special water treatment SVO-4 in SCWR reactors.

### Physical and Chemical Characteristics (according to Industrial Standard STO 1.1.1.07.003.0368-2011):

CHARACTERISTICS	STANDARD VALUE
Appearance	Spherical beads, opaline to yellow in colour
Particle size range, mm	0.40-1.25
Volume of effective size fraction, % min	98
Total uncracked beads as shipped, %, min	97
Osmotic stability, %, min	85
Moisture retention, %	54-64
Total capacity, mmol/cm <sup>3</sup> (mg-eq/cm <sup>3</sup> ), min	1.6
Mass fraction of chloride ions, mg/cm <sup>3</sup> , max	0.15
Mean mechanical toughness, g/bead, min	400
Particles with toughness below 200 g/bead, % max	5