

## JIANGSU SUQING WATER TREATMENT ENGINEERING GROUP CO.,LTD.

### 001 x 8 Na    STRONG ACID CATION EXCHANGE RESIN, GEL STRUCTURE

#### 1.0 Indexes of Physical and Chemical Properties:

Designation	001 x 8 Na
Volume Exchange Capacity    meq/ml $\geq$	2.0 min
Water Retention                    %	43-48
Bulk Density                        g/ml	0.78-0.88
Specific Density                    g/ml	1.26-1.30
Particle Size                        %	0.315-1.25mm
Homogeneous Coefficient $\leq$	1.70    max
Roundness after Attrition        % $\geq$	90 min
Appearance	Light yellow to brown
Ionic Form Supplied:	Na

#### 2.0 Reference Indexes for Operation:

2.01 PH Range:	0-14
2.02 Max. Operating Temp (°C):	H <sup>+</sup> $\leq$ 100°C    Na <sup>+</sup> $\leq$ 120°C
2.03 Total Reversible Swelling %:	(Na <sup>+</sup> $\rightarrow$ H <sup>+</sup> )    5-8
2.04 Concentration of Regenerate Solution :	NaCl: 8-10%    ; HCl: 4-5%
2.05 Consumption of Regenerate:	NaCl(8-10%)Vol. : Resin Vol.=1.5-2:1 HCl(4-5%)    Vol. : Resin Vol. = 2-3:1
2.06 Flow Rate of Regenerate Solution :	4-6 (m/hr)
2.07 Regenerate Contact time:	30-60 (minute)
2.08 Rinse Flow Rate :	10-20 (m/hr)
2.09 Rinse Time (minute):	30 (approx.)
2.10 Operating Flow Rate:	10-45(m/hr)

#### 3.0 Application:

International gel type standard. Suitable for softening and demineralization. Used also in amino acids and antibiotics.

**4.0 Packing:**            Each PE bag, net weight:    25L or 1000 L

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