



# 宁波争光树脂有限公司

## NINGBO ZHENGGUANG RESIN CO., LTD

### ZGC108DQ styrene series strongly acidic cation exchange resin

#### 1. Description

The "Hydrolite" ZGC108DQ is a sort of food grade cation exchange resin that has sulfonic group(-SO<sub>3</sub>H) in the styrene-diethylene benzene copolymer with 8% cross linking degree. It is used mainly to soft hard water and produce pure water, with good exchange capacity and physical stability.

#### 2. Typical physical and chemical properties:

ITMES	DATA
Appearance	Palm yellow to burnt brown spherical Particle
Ionic form	Na
Moisture content %	42.00-50.00
Total exchange capacity mmol/g	≥4.40
Total exchange capacity mmol/ml	≥2.00
Shipping weight g/ml	0.78-0.88
True density g/ml	1.250-1.30
Particle size range %	(0.315mm-1.250mm) ≥95.0
Lower limit size %	(<0.315mm) ≤1.0
The effective size mm	0.400-0.700
Uniformity coefficient	≤1.60
Sphericity after attrition %	≥90.00

### 3. Reference indexes in using

ITMES	Reference value
PH range	1-14
Max. operation temperature in sodium form °C	120
Swelling upon complete conversion (Na <sup>+</sup> -H <sup>+</sup> ) %	≤10
Working exchange capacity mmol/L	≥1000
Working flow rate m/h	15-30