

Cation Exchange Resin Datasheet

Production Name	WD001x7L Na Strong Acid Cation Exchange Resin ST004		
Quality	GB/T13659-1992	Batch No.	20240318
Item	Standard	Inspection Result	
Appearance	Yellow Brown	Yellow Brown	
Ionic form, as shipped	Na		
Total Exchange Capacity	1.80 eg/l min		
Water Retention Capacity	45-52		
Shipping Weight	0.77-0.87 g/ml		
Wet Real Density	1.24-1.29 g/ml		
Particle Size	(0.315 - 1.25mm) ≥ 95%		
Uniformity Coefficient	≤ 1.70		
Effective Size, mm	0.40-0.80		
Sphericity after Burnishing	≥ 95%		
Conclusion		Up To Standard	

SUGGESTED OPERATING CONDITIONS

pH Range		1 – 14
Maximum Operating Temperature	°C	≤ 120
Bed height	m	1.0 – 3.0
Regenerant		NaCl
Regenerant Level	g/mol	100-120
Regenerant Concentration	%	5 – 8
Regenerant Flow Rate	m/h	4 – 5
Regenerant Temperature	°C	Normal Temperature
Regenerant Contact Time	min	30
Exchange Flow Rate	m/h	4 – 5
Exchange Time	min	20 – 30
Rinsing Flow Rate	m/h	15 – 20
Rinsing Time	min	10 – 20
Operating Flow Rate	m/h	15 – 30