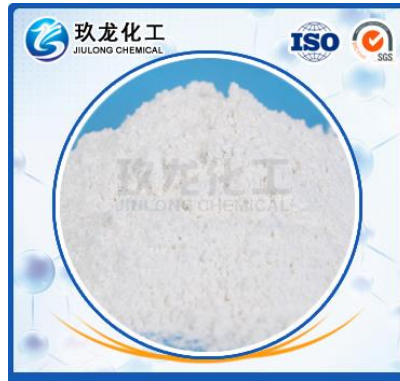


## Beta-B Zeolite



The Beta zeolite produced by means of a template agent based hydrothermal crystallization method is featured with high relative crystallinity ,wherein the relative crystallinity is no less than 80%,the  $\text{SiO}_2/\text{Al}_2\text{O}_3$  molar ratio is no less than 25, the  $\text{Na}_2\text{O}$  is no more than 0.1%,the BET specific surface is no less than  $580\text{m}^2/\text{g}$ ,and the average grain size is 300nm.

### Beta-B Quality Control Targets

Item	Unit	Max	Typical	Max	Analytical Method
Relative crystallinity	%	28	86		X-ray diffractometer
Crystal size	nm	200	300		
Total specific surface	$\text{M}^2/\text{g}$	580	600		$\text{N}_2$ Adsorption
Microporous specific surface	$\text{M}^2/\text{g}$	460	480		$\text{N}_2$ Adsorption
Pore Volume	$\text{mL}/\text{g}$	0.35	0.37		$\text{N}_2$ Adsorption
Silica-alumina ratio	/	26	28	30	XRF
$\text{Na}_2\text{O}$	wt%			0.05	Flame Photometric Analysis
$\text{SO}_4^{2-}$	wt%			0.4	XRF
Cl	wt%			0.2	Chemical Analysis
LOI	wt%			10	Gravimetric Analysis