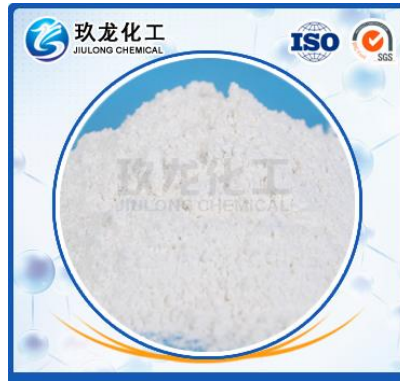


Beta-30 Zeolite



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 27, and the Na_2O is no more than 0.1%, and the BET specific surface is no less than $500\text{m}^2/\text{g}$

Beta-30 Quality Control Targets

Item	Unit	Max	Typical	Max	Analytical Method
Relative crystallinity	%	76	80		X-ray diffractometer
Crystal size	nm	50	70		
Total specific surface	M^2/g	500	540		N_2 Adsorption
Microporous specific surface	M^2/g	430	460		N_2 Adsorption
Pore Volume	mL/g	0.30	0.32		N_2 Adsorption
Silica-alumina ratio	/	28	30	32	XRF
Na_2O	wt%			0.1	Flame Photometric Analysis
SO_4^{2-}	wt%			0.4	XRF
Cl	wt%			0.2	Chemical Analysis
LOI	wt%			15	Gravimetric Analysis