

Manufactured Zeolite 4A

PROVISIONAL PRODUCT SPECIFICATION SHEET

Code: MZ-K-4A

Date: August 2026

n° CAS 1318-02-1

n° EINECS 215-283-8

Characteristic	Value	Method
Chemical Composition	Zeolite 4A, Crystalline synthetic sodium aluminosilicate	
Appearance	Pink to white powder	
Bulk density (mg/cm ³)	0.50 – 0.60	EPP G02
Al ₂ O ₃ (%)	30 ± 2	XRF
SiO ₂ (%)	37 ± 2	XRF
Na ₂ O (%)	17.5 ± 1	XRF
Ca-binding capacity (mg CaCO ₃ /g dry zeolite): - 20 min exchange - 3 min exchange - 10 min exchange	> 295 > 240 > 280	QB/T 1768-2003
Loss on ignition (%)	20 – 22	TGA 800°C, 1 hour
Crystallinity (%)	> 80	XRD
pH at 20°C (1% in water)	11 ± 1	
Mean particle size D ₅₀ (microns)	28 ± 8	Laser particle size analyser & SEM
D ₉₀ particle size (microns)	112 ± 40	
Fraction < 4 microns (%)	< 5	
Fraction > 45 microns (%)	> 10	
Metals		
Fe (%)	0.25 ± 0.1	XRF
Ti (%)	1.0 ± 0.3	XRF

This technical information results from testing by the company and others and is provided in good faith and in the belief that it is accurate. However, we make no guarantee of accuracy, nor can we anticipate every possible application or variation in manufacturing technology or usage. Therefore, the product is supplied without warranty, express or implied, and on the condition that the recipient determines the product's suitability for their particular purpose by conducting their own tests.