

Product Specification Sheet

Product: **Zetadex-50 Superfine**
Gel Filtration Matrix

Product Code: TM-0104
Standard Packaging: 100 g; 500 g; 1 kg; 5 kg; Bulk
CAS Number: 9048-71-9

Quality Parameter	Specification
Dry Bead Size, 20 - 50 µm:	> 80% m
Water Regain:	4.80 - 5.20 mL/g
Swelling:	9 - 11 mL/g
Appearance:	White solid

Other Product Properties

Bead structure: Cross-linked spherical dextran composite
Bead size (Dry): 20 - 50 µm
Bead size (Wet): 40 - 100 µm

Maximum operating pressure: Generally obeys Darcy's Law: $U = K_o \frac{\Delta P}{L}$ where

U = linear flow rate, cm/hour
ΔP = pressure drop over gel bed, cm H₂O
L = bed ht, in cm
K_o = 13.5 for Z-50 superfine

Chemical stability: All commonly used buffers, including: 0.2 M NaOH; 0.2M HCl; 1 M acetic acid; 8 M urea; 6 M guanidine HCl; 1% SDS; 24% Ethanol; 30% Propanol; 30% Acetonitrile.

pH stability: 2.0 to 10.0

Autoclavable: 121°C, pH 7 for 30 minutes

Sedimentation & IR: Consistent with standard Zetadex-50 superfine sedimentation rates and IR spectra.

Storage & Shipping: Ambient

The use of this product is strictly limited to trained personnel for professional manufacturing, laboratory, or research purposes. Final Fitness-For-Use must be determined by and is the sole responsibility of the end-user.