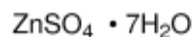


Certificate of Analysis

Product Name:

Zinc sulfate heptahydrate - ACS reagent, 99%

Product Number: 221376
Batch Number: MKCV2061
 Brand: SIGALD
 CAS Number: 7446-20-0
 MDL Number: MFCD00149894
 Formula: O4SZn · 7H2O
 Formula Weight: 287.56 g/mol
 Quality Release Date: 26 OCT 2023
 Recommended Retest Date: OCT 2026



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals or Crystals with Chunks	Crystals
Complexometric EDTA	99.0 - 103.0 %	99.3 %
X-Ray Diffraction	Conforms to Structure	Conforms
Insoluble Matter	≤ 0.01 %	0.01 %
c = 10%, Water		
Calcium (Ca)	≤ 0.005 %	0.004 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.01 %	< 0.01 %
Magnesium (Mg)	≤ 0.005 %	0.003 %
Sodium (Na)	≤ 0.05 %	< 0.01 %
Ammonia (NH ₄)	≤ 0.001 %	< 0.001 %
Nitrate (NO ₃)	≤ 0.002 %	< 0.001 %
Lead (Pb)	≤ 0.003 %	< 0.001 %
Manganese (Mn)	≤ 3 ppm	2 ppm
pH	4.4 - 6.0	5.0
c = 5%; Water at 25°C		
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
3 Years		

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis

Product Number: 221376
Batch Number: MKCV2061



Larry Coers, Director
Quality Control
Milwaukee, WI US

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