

3050 Spruce Street, Saint Louis, MO 63103, USA

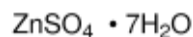
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## Certificate of Analysis

Product Name:

Zinc sulfate heptahydrate – ACS reagent, 99%

Product Number: 221376  
Batch Number: MKCM4597  
Brand: SIGALD  
CAS Number: 7446-20-0  
MDL Number: MFCD00149894  
Formula: O4SZn · 7H2O  
Formula Weight: 287.56 g/mol  
Quality Release Date: 14 MAY 2020  
Recommended Retest Date: APR 2023



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals or Crystals with Chunks	Crystals
Complexometric EDTA	99.0 - 103.0 %	100.7 %
X-Ray Diffraction	Conforms to Structure	Conforms
Insoluble Matter	≤ 0.01 %	< 0.01 %
c = 10%, Water		
Calcium (Ca)	≤ 0.005 %	< 0.001 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.01 %	< 0.01 %
Magnesium (Mg)	≤ 0.005 %	< 0.001 %
Sodium (Na)	≤ 0.05 %	< 0.01 %
Ammonia (NH4)	≤ 0.001 %	< 0.001 %
Nitrate (NO3)	≤ 0.002 %	< 0.002 %
Lead (Pb)	≤ 0.003 %	< 0.001 %
Manganese (Mn)	≤ 3 ppm	< 1 ppm
pH	4.4 - 6.0	5.2
c = 5%; Water at 25°C		
Meets ACS Requirements	Current ACS Specification	Conforms

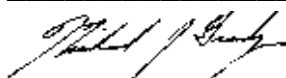
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical 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.

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Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

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