

## Certificate of Analysis

Date of Testing: 2024-01-18 11:16:39  
 Date of Next Testing: 2027-01-17 11:16:39  
 Product Name: **Zinc sulfate heptahydrate**  
 CAS Number: 7446-20-0  
 Specifications & Purity: puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥99.5%  
 Lot #: A2416768  
 SKU #: **Z433478**  
**Analysis: 309643**

Parameter	Limit Values	Result
Purity Titration by EDTA	99.5-103 (%)	102.04 %
Insoluble matter	0-0.01 (%)	0.00 %
PH(5% solution, 25.0°C)	4.4-5.6	4.86000
Arsenic(As)	0-0.5 (ppm)	0.00000 ppm
Calcium(Ca)	0-0.001 (%)	0.00 %
Cadmium(Cd)	0-0.0002 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.001 (%)	0.00 %
Manganese(Mn)	0-0.0002 (%)	0.00 %
Lead(Pb)	0-0.0005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-5 (ppm)	0.00 ppm
Nitrate(NO <sub>3</sub> )	0-0.002 (%)	0.00000 %
Total Nitrogen	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-0.0005 (%)	0.00 %
Potassium(K)	0-0.001 (%)	0.00 %
Ammonium (NH <sub>4</sub> )	0-0.001 (%)	0.00100 %
Appearance(Z433478)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
X-Ray Diffraction(After drying an 300°C)	Conforms to structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager