

## Certificate of Analysis

Date of Testing: 2023-04-18 17:31:42  
 Date of Next Testing: 2026-04-17 17:31:42  
 Product Name: **Zinc sulfate monohydrate**  
 CAS Number: 7446-19-7  
 Specifications & Purity: Pharmaceutical grade, Ph. Eur., USP  
 Lot #: D23142296  
 SKU #: **Z433476**  
**Analysis:** **201610**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(complexometric titration)	99-100.5 (%)	100.33000 %
PH(5% in water)	4.0-5.6	4.95
Chloride (Cl-)	0-0.005 (%)	0.00 %
Arsenic(As)	0-0.0003 (%)	0.00000 %
Cadmium(Cd)	0-0.0002 (%)	0.00 %
Chromium(Cr)	0-0.0005 (%)	0.00000 %
Iron(Fe)	0-0.003 (%)	0.00 %
Mercury(Hg)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Selenium(Se)	0-0.003 (%)	0.00 %
Thallium(Tl)	0-0.001 (%)	0.00000 %
Loss on drying(105°C)	0-1 (%)	0.00 %
Nickel(Ni)	0-0.0005 (%)	0.00 %
Alkali-and alkaline earth metals(as sulfate)	0-0.5 (%)	0.02000 %
Appearance(Z433476)	White powder	White powder
Free acid	passes test	Passes test
X-Ray Diffraction	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