

## Certificate of Analysis

Date of Testing: 2022-08-22 10:05:53  
 Date of Next Testing: 2026-08-21 10:05:53  
 Product Name: **Zinc sulfate heptahydrate**  
 CAS Number: 7446-20-0  
 Specifications & Purity: ACS, 99%  
 Lot #: H2217733  
 SKU #: **Z111855**  
**Analysis:** **112716**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Sodium(Na)	0-0.05 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Manganese(Mn)	0-3 (ppm)	0.00 ppm
Potassium(K)	0-0.01 (%)	0.00 %
Magnesium(Mg)	0-0.005 (%)	0.00 %
Lead(Pb)	0-0.003 (%)	0.00 %
Ammonia (NH <sub>4</sub> )	0-0.001 (%)	0.00 %
(NO <sub>3</sub> )Nitrate	0-0.002 (%)	0.00 %
Purity Titration by EDTA	99-103 (%)	101.87 %
PH(5% in water,25°C)	4.4-6	5.26
Calcium(Ca)	0-0.005 (%)	0.00 %
Insoluble matter: (10% in H <sub>2</sub> O)	0-0.01 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-5 (ppm)	3.92 ppm
Loss on drying(300°C,2h)	40-46(%)	44.37000 %
Appearance (Z111855)	white crystals or chunks	white crystals or chunks
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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager