

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-03 16:24:21  
 Date of Next Testing: 2027-10-24 16:24:21  
 Product Name: **Zinc chloride**  
 CAS Number: 7646-85-7  
 Specifications & Purity: Suitable for molecular biology, ≥98%(AT)  
 Lot #: J2523689  
 SKU #: **Z112531**  
 Version: **5**  
 Analysis #: **591970**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Calcium(Ca)	0-100 (ppm)	2.53600 ppm
Sulfate(SO42-)	0-100 (ppm)	12.42000 ppm
(Pb)Lead	0-50 (ppm)	1.56300 ppm
Iron(Fe)	0-10 (ppm)	0.55700 ppm
Assay	97.5-102.5 (%)	98.00000 %
pH	4-6	5.60000
(As)Arsenic	0-2 (ppm)	0.02500 ppm
Magnesium(Mg)	<100 (ppm)	1.72500 ppm
DNases	none detected	none detected
Filtration test	corresponds to standard	corresponds to standard
proteases	none detected	none detected
Appearance(Z112531)	White to Off White Powder or Crystals or Chunk(s)	White to Off White Powder or Crystals or Chunk(s)
ICP: Confirms Zinc Component	Confirmed	Confirmed
NICKase, Endonuclease Detection	None Detected	none detected
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass
Solubility (20 g in 200 mL H <sub>2</sub> O + 6 mL 1M HCL)	Colorless to Faint Yellow Clear to Very Slightly Hazy	Colorless to Faint Yellow Clear to Very Slightly Hazy
Infrared spectrum	Conforms to Structure	Conforms to Structure



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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