

## Certificate of Analysis

Date of Testing:	2023-09-06 13:49:47
Date of Next Testing:	2025-08-26 13:49:47
Product Name:	<b>Zinc chloride</b>
CAS Number:	7646-85-7
Specifications & Purity:	Molecular biology level, ≥98.0%(AT)
Lot #:	I2304498
SKU #	<b>Z112531</b>
Version	5
<b>Analysis #:</b>	<b>267547</b>
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Calcium(Ca)	0-100 (ppm)	1.36 ppm
Sulfate(SO42-)	0-100 (ppm)	3.68 ppm
(Pb)Lead	0-50 (ppm)	25.30 ppm
Iron(Fe)	0-10 (ppm)	1.30 ppm
Assay	97.5-102.5 (%)	98.00 %
PH	4-5.5	5.10
(As)Arsenic	0-2 (ppm)	1.06 ppm
Magnesium(Mg)	<100 (ppm)	25.30 ppm
DNases	none detected	none detected
Filtration test	corresponds to standard	corresponds to standard
proteases	none detected	none detected
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 H2O + 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
Appearance(Z112531)	White to Off White Powder or Crystals or Chunk(s)	White to Off White Powder or Crystals or Chunk(s)



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager