

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2022-11-15 18:50:42
Date of Next Testing:	2026-11-14 18:50:42
Product Name:	<b>TES</b>
CAS Number:	7365-44-8
Specifications & Purity:	Ultra pure, ≥ 99.5%(T)
Lot #:	K2214031
SKU #	<b>T105114</b>
<b>Analysis:</b>	<b>155775</b>
Storage Temperature:	Room temperature, Desiccated

Parameter	Limit Values	Result
Zinc(Zn)	0-0.0005 (%)	0.00 %
A280 (1 m in H2O)	0-0.045	0.02
Chromium(Cr)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.0005 (%)	0.00 %
loss on drying, 110 °C	0-1 (%)	0.00 %
Lithium(Li)	0-0.0005 (%)	0.00 %
Potassium(K)	0-0.02 (%)	0.00 %
Molybdenum(Mo)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.001 (%)	0.00 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
A260 (1 m in H2O)	≤0.06	0.03
Strontium(Sr)	0-0.0005 (%)	0.00 %
Chloride (Cl-)	0-0.005 (%)	0.00 %
Nickel(Ni)	0-0.0005 (%)	0.00 %
Cobalt(Co)	0-0.0005 (%)	0.00 %
Sulfate(SO42-)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.01 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Manganese(Mn)	0-0.0005 (%)	0.00 %
Ignition Residue(SO4, 900 °C)	0-0.1 (%)	0.07 %
Purity(Titration)	99.5-100.5 (%)	100.01 %

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
PH(1 M in water)	3.5-5	3.74
Appearance (T105114)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
Solubility in H <sub>2</sub> O , colorless and clear (0.1M)	pass	Pass

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

John Su  
QA & QC Manager