

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-07-18 09:53:01
Date of Next Testing:	2028-07-17 09:53:01
Product Name:	CAPS
CAS Number:	1135-40-6
Specifications & Purity:	Ultra pure, ≥99.0% (HPLC)
Lot #:	G2408348
SKU #	C105210
Version	0
Analysis #:	377681
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.04	0.00
Copper(Cu)	0-5 (%)	0.00 %
(Pb)Lead	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Purity(HPLC)	98-100 (%)	99.89900 %
UV Absorbance 280nm	0-0.04	0.00
Cobalt(Co)	0-5 (ppm)	0.00 ppm
(As)Arsenic	0-0.1 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-150 (ppm)	0.00 ppm
loss on drying, 110 °C	0-1 (%)	0.22 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
PH(25 °C, 0.5 M in Water)	3.5-6	3.74
Ignition Residue	0-0.05 (%)	0.00 %

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Parameter	Limit Values	Result
Potassium(K)	0-50 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Appearance (C105210)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
pKa	6.8	6.8
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless λ,0.05 M in H ₂ O	pass Pass	Pass Pass



John Su
QA & QC Manager