

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-05-27 08:54:19
Date of Next Testing:	2027-05-27 08:54:19
Product Name:	<b>Calcium chloride solution</b>
CAS Number:	10043-52-4
Specifications & Purity:	Ultrapure BioReagent, for molecular biology, ~1 M in H <sub>2</sub> O
Lot #:	H2323822
SKU #	<b>C431199</b>
Version	<b>1</b>
Analysis #:	<b>362057</b>

Parameter	Limit Values	Result
Concentration	0.9-1.1 (mol/L)	0.97 mol/L
Density(D <sub>20</sub> /4°C)	1.081-1.089	1.09
Refractive index n <sub>20</sub> /D	1.357-1.359	1.36
Barium(Ba)	0-1 (ppm)	0.05 ppm
Bismuth(Bi)	0-5 (ppm)	0.05 ppm
Cadmium(Cd)	0-1 (ppm)	0.03 ppm
Cobalt(Co)	0-1 (ppm)	0.03 ppm
Chromium(Cr)	0-1 (ppm)	0.01 ppm
Copper(Cu)	0-5 (ppm)	0.02 ppm
Iron(Fe)	0-5 (ppm)	0.80 ppm
Potassium(K)	0-50 (ppm)	33.00 ppm
Lithium(Li)	0-1 (ppm)	0.06 ppm
Magnesium(Mg)	0-5 (ppm)	2.00 ppm
Manganese(Mn)	0-1 (ppm)	0.07 ppm
Molybdenum(Mo)	0-1 (ppm)	0.50 ppm
Sodium(Na)	0-20 (ppm)	12.00 ppm
Nickel(Ni)	0-5 (ppm)	0.05 ppm
Lead(Pb)	0-5 (ppm)	0.05 ppm
Strontium(Sr)	0-20 (ppm)	0.05 ppm
Zinc(Zn)	0-1 (ppm)	0.50 ppm
PH (25°C)	4.0-6.0	4.62
UV Absorbance 260nm	0-0.04	0.02
UV Absorbance 280nm	0-0.02	0.01
Appearance(C431199)	Colorless Liquid	Colorless liquid
DNAses, RNAses, Proteases, Phosphatases Not Detectable	Pass	Pass
Solubility(neat, 25 °C) Clear Colorless	Pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager