

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-29 10:54:27  
 Date of Next Testing: 2027-01-28 10:54:27  
 Product Name: **Potassium chloride solution**  
 CAS Number: 7447-40-7  
 Specifications & Purity: Ultrapure BioReagent, for molecular biology, ~1 M in H<sub>2</sub>O  
 Lot #: A2423526  
 SKU #: **P433493**  
**Analysis: 318905**

| Parameter  | Limit Values      | Result           |
|--|-------------------|------------------|
| Aluminum(Al)   | 0-1 (ppm)         | 0.00 ppm         |
| Barium(Ba)   | 0-1 (ppm)         | 0.00 ppm         |
| Bismuth(Bi)  | 0-1 (ppm)         | 0.00 ppm         |
| Calcium(Ca)  | 0-5 (ppm)         | 0.00 ppm         |
| Cadmium(Cd)  | 0-1 (ppm)         | 0.00 ppm         |
| Cobalt(Co)   | 0-1 (ppm)         | 0.00 ppm         |
| Chromium(Cr)   | 0-1 (ppm)         | 0.00 ppm         |
| Copper(Cu)   | 0-1 (ppm)         | 0.00 ppm         |
| Iron(Fe)   | 0-1 (ppm)         | 0.00 ppm         |
| Lithium(Li)  | 0-1 (ppm)         | 0.00 ppm         |
| Magnesium(Mg)  | 0-1 (ppm)         | 0.00 ppm         |
| Manganese(Mn)  | 0-1 (ppm)         | 0.00 ppm         |
| Molybdenum(Mo)   | 0-1 (ppm)         | 0.00 ppm         |
| Sodium(Na)   | 0-20 (ppm)        | 0.01 ppm         |
| Nickel(Ni)   | 0-1 (ppm)         | 0.00 ppm         |
| Lead(Pb)   | 0-1 (ppm)         | 0.00 ppm         |
| Strontium(Sr)  | 0-1 (ppm)         | 0.00 ppm         |
| Zinc(Zn)   | 0-1 (ppm)         | 0.00 ppm         |
| Total sulfur as SO <sub>4</sub> (ICP)                          | 0-10 (ppm)        | 2.00 ppm         |
| Total Nitrogen   | 0-10 (ppm)        | 3.00 ppm         |
| UV Absorbance 260nm  | 0-0.02            | 0.01             |
| UV Absorbance 280nm  | 0-0.02            | 0.01             |
| Concentration  | 0.95-1.05 (mol/L) | 0.99 mol/L       |
| Appearance(P433493)  | Colorless Liquid  | Colorless liquid |
| Extraneous Activities(DNAses, RNAses, Proteases, Phosphatases) | Not Detectable    | not detectable   |



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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