

Certificate of Analysis

Date of Testing: 2025-02-20 09:14:35

Date of Next Testing: 2028-02-20 09:14:35

Product Name: **Sodium chloride solution**

CAS Number: 7647-14-5

Specifications & Purity: UltraBio™, for molecular biology, SuperPure grade, ~5 M in H2O

Lot #: B2513299

SKU #: **S433740**

Version: **1**

Analysis #: **474526**

Parameter	Limit Values	Result
titration (molarity)	4.8-5.2 (mol/L)	5.00000 mol/L
Refractive index n20/D	1.337-1.379	1.38
Aluminium(Al)	0-1 (ppm)	0.00000 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 (ICP)	0-1 (ppm)	0.00 ppm
Copper(Cu)	0-1 (ppm)	0.00 ppm
Iron(Fe)	0-1 (ppm)	0.00 ppm
Potassium(K)	0-20 (ppm)	2.00 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
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
PH(Solution)	5-7	6.00000
UV Absorbance 260nm	0-0.02	0.01
UV Absorbance 280nm	0-0.01	0.00
Appearance(S433740)	Colorless Liquid	Colorless liquid
Solvent(H2O)	Conform	Conform
Extraneous activities(DNAses,RNAses,Proteases,Phosphatases)	Pass	Pass



ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
Residue (filter test)	no residue	no residue

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

John Su
QA & QC Manager