

## Certificate of Analysis

Date of Testing: 2023-05-27 14:31:49  
 Date of Next Testing: 2026-05-26 14:31:49  
 Product Name: **Sodium chloride**  
 CAS Number: 7647-14-5  
 Specifications & Purity: BioReagent Plus, ≥99.5% (AT)  
 Lot #: E231711137  
 SKU #: **S433738**  
**Analysis: 213733**

Parameter	Limit Values	Result
Bromide(Br)	0-0.01 (%)	0.00000 %
Sulfate(SO4)	0-0.05 (%)	0.00000 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Phospate(PO4)	0-0.0005 (%)	0.00 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.0005 (%)	0.00 %
Arsenic(As)	0-0.0001 (%)	0.00000 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
Cobalt(Co)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Strontium(Sr)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.002 (%)	0.00 %
Chromium(Cr)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Manganese(Mn)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0001(%)	0.00 %
Lithium(Li)	0-0.0005 (%)	0.00 %
Molybdenum(Mo)	0-0.0005 (%)	0.00 %
Nickel(Ni)	0-0.0005 (%)	0.00 %
PH(20 °C, 1 M in Water)	5-8	5.87
Iodide(I)	0-0.001 (%)	0.00000 %
Bacterial endotoxins	0-4.64 (EU/g)	0.00 EU/g
Assay(Titration by AgNO3)	99.5-100 (%)	99.98 %
Potassium(K)	0-0.005 (%)	0.00 %

ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
Appearance(S433738)	White powder to fine crystals with lumps	White powder to fine crystals with lumps
Solubility in H2O , Colorless , Clear , 1M	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Microbiological detection	Pass	Pass

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

John Su  
QA & QC Manager