

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-19 15:12:35  
Date of Next Testing: 2024-11-18 15:12:35  
Product Name: **Ttin chloride**  
CAS Number: 7646-78-8  
Specifications & Purity: Analytical Reagent  
Lot #: K2216549  
SKU #: **T102839**  
Version: **0**  
Analysis #: **116228**  
Storage Temperature: Argon charged

| Parameter                                       | Limit Values     | Result           |
|---|------------------|------------------|
| Purity(Titration by AgNO3)                      | 98.5-101.5 (%)   | 99.85 %          |
| Antimony(Sb)                                    | 0-0.005 (%)      | 0.00 %           |
| (As)Arsenic                                     | 0-0.0005 (%)     | 0.00 %           |
| Substances not precipitated by hydrogen sulfide | 0-0.05 (%)       | 0.04 %           |
| Sulfate(SO42-)                                  | 0-0.01 (%)       | 0.01 %           |
| Iron(Fe)  | 0-0.001 (%)      | 0.00 %           |
| Appearance (T102839)                            | Colorless liquid | Colorless liquid |
| Free chlorine(Cl2)                              | Pass             | Pass             |
| ICP:Confirms Tin Component                      | Confirmed        | Confirmed        |



John Su  
QA & QC Manager