

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-09-27 13:16:29  
Date of Next Testing: 2028-09-26 13:16:29  
Product Name: **Tin(II) chloride dihydrate**  
CAS Number: 10025-69-1  
Specifications & Purity:  $\geq 99.99\%$  metals basis  
Lot #: I2420631  
SKU #: **S111955**  
Version: **3**  
Analysis #: **389539**  
Storage Temperature: Argon charged

| Parameter                                       | Limit Values                          | Result                                |
|-------------------------------------------------|---------------------------------------|---------------------------------------|
| Total Metallic Impuritie                        | 0-100 (ppm)                           | 38.00000 ppm                          |
| Sodium(Na)                                      | 0-0.01 (%)                            | 0.00020 %                             |
| Calcium(Ca)                                     | 0-0.005 (%)                           | 0.00000 %                             |
| Purity(Based on Trace Metals Impurities of ICP) | 99.99-100 (%)                         | 99.99620 %                            |
| Lead(Pb)                                        | 0-0.01 (%)                            | 0.00020 %                             |
| Potassium(K)                                    | 0-0.005 (%)                           | 0.00020 %                             |
| Purity(Titration by KMNO4)                      | 98-103 (%)                            | 98.29000 %                            |
| Iron(Fe)                                        | 0-0.003 (%)                           | 0.00180 %                             |
| Sulfate(SO42-)                                  | 0-0.003 (%)                           | 0.00000 %                             |
| Appearance (S111955)                            | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| ICP:Confirms Sn Component                       | Confirmed                             | Confirmed                             |
| Solubility in HCL                               | pass                                  | Pass                                  |
| X-Ray Diffraction                               | Conforms to Structure                 | Conforms to Structure                 |

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A handwritten signature in black ink that reads "John Su". The script is fluid and cursive.

John Su  
QA & QC Manager