

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-14 15:07:24  
 Date of Next Testing: 2029-02-13 15:07:24  
 Product Name: **XTT sodium salt**  
 CAS Number: 111072-31-2  
 Specifications & Purity:  $\geq 90\%$   
 Lot #: B2510523  
 SKU #: **X100982**  
 Version: **0**  
 Analysis #: **456733**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                             | Limit Values  | Result        |
|---------------------------------------------------------------------------------------|---------------|---------------|
| Purity(TLC)                                                                           | 90-100 (%)    | 99.08500 %    |
| Water by Karl Fischer                                                                 | 0-15 (%)      | 12.22960 %    |
| Carbon by Elemental Analysis(anhydrous)                                               | 37.5-41 (%)   | 38.84000 %    |
| Nitrogen by Elemental Analysis (anhydrous)                                            | 13.8-15.3 (%) | 14.23000 %    |
| Sodium (Na)(anhydrous)                                                                | 2.5-4 (%)     | 2.50000 %     |
| Appearance (X100982)                                                                  | yellow powder | yellow powder |
| Solubility in hot H <sub>2</sub> O , Yellow to Green,Clear to Slightly Hazy,2.5 mg/ml | pass          | Pass          |



John Su  
QA & QC Manager