

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-31 14:28:42  
 Date of Next Testing: 2028-01-21 14:28:42  
 Product Name: **(-)-Scopolamine hydrobromide trihydrate**  
 CAS Number: 6533-68-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: A2622495  
 SKU #: **S107418**  
 Version: **1**  
 Analysis #: **635740**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                                | Limit Values                   | Result                       |
|--------------------------------------------------------------------------|--------------------------------|------------------------------|
| Purity(HPLC)                                                             | 98-100 (%)                     | 99.91600 %                   |
| Specific Rotation $[\alpha]_{20/D(c=5 \text{ in H}_2\text{O})}$          | -25--19 ( $^{\circ}$ )         | -21.38400 $^{\circ}$         |
| melting point (Dry basis)                                                | 195-199 ( $^{\circ}\text{C}$ ) | 198.85000 $^{\circ}\text{C}$ |
| Appearance (S107418)                                                     | White Powder or Crystals       | White Powder or Crystals     |
| Infrared spectrum                                                        | Conforms to Structure          | Conforms to Structure        |
| Solubility in H <sub>2</sub> O , Clear,SOLUBILITY 5% IN H <sub>2</sub> O | pass                           | Pass                         |
| Proton NMR spectrum                                                      | Conforms to Structure          | Conforms to Structure        |



John Su  
QA & QC Manager