

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-11-17 16:56:45

Date of Next Testing: 2029-11-16 16:56:45

Product Name: **N-Benzylcinchonidinium Chloride**

CAS Number: 69257-04-1

Specifications & Purity:  $\geq 98\%$

Lot #: D1803127

SKU # **B120844**

Version **1**

**Analysis #:** **605632**

Storage Temperature: Room temperature

| Parameter                                                          | Limit Values                      | Result                            |
|--------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| Carbon by Elemental Analysis                                       | 72.3-76 (%)                       | 74.30000 %                        |
| Nitrogen by Elemental Analysis                                     | 6.4-6.9 (%)                       | 6.70000 %                         |
| Purity(HPLC)                                                       | 98-100 (%)                        | 98.89000 %                        |
| Purity(Nonaqueous Titration)                                       | 98-100 (%)                        | 98.90000 %                        |
| Specific Rotation $[\alpha]_{20/D}(c=0.5g/100ml \text{ in } H_2O)$ | -180~-170 (°)                     | -180.00000 °                      |
| Appearance (B120844)                                               | White to pink to light red powder | White to pink to light red powder |
| Infrared spectrum                                                  | Conforms to Structure             | Conforms to Structure             |
| Proton NMR spectrum                                                | Conforms to Structure             | Conforms to Structure             |



John Su  
QA & QC Manager