

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-26 15:26:50

Date of Next Testing: 2029-06-25 15:26:50

Product Name: **Thiamphenicol**

CAS Number: 15318-45-3

Specifications &amp; Purity: Moligand™, ≥99%

Lot #: F2523032

SKU #: **T111415**

Version: **1**

Analysis #: **534669**

Storage Temperature: Store at 2-8°C

| Parameter                                                   | Limit Values          | Result                |
|-------------------------------------------------------------|-----------------------|-----------------------|
| Oxygen by Elemental Analysis                                | 21.6-23 (%)           | 22.54700 %            |
| Nitrogen by Elemental Analysis                              | 3.3-4.4 (%)           | 3.57000 %             |
| Purity(HPLC)                                                | 99-100 (%)            | 99.27700 %            |
| Melting point                                               | 164-168 (°C)          | 166.29000 °C          |
| Carbon by Elemental Analysis                                | 39.1-40.9 (%)         | 40.45000 %            |
| Specific rotation [ $\alpha$ ] <sub>20/D</sub> (C=5 in DMF) | -24--21 (°)           | -21.12900 °           |
| Proton NMR spectrum                                         | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager