

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-10 14:44:28

Date of Next Testing: 2026-11-09 14:44:28

Product Name: **Thiamphenicol**

CAS Number: 15318-45-3

Specifications &amp; Purity: 99%

Lot #: K2208645

SKU #: **T111415****Analysis: 120530**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	3.3-4.4 (%)	3.57 %
Purity(HPLC)	98-100 (%)	99.27700 %
Melting point	164-168 (°C)	166.29000 °C
Carbon by Elemental Analysis	39.1-40.9 (%)	40.45 %
Specific rotation [ $\alpha$ ] <sub>20</sub> /D(C=5 in DMF)	-24~-21 (°)	-21.13 °
Oxygen by Elemental Analysis	21.6-23 (%)	22.55 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager