

Certificate of Analysis

Date of Testing: 2025-02-10 18:37:18

Date of Next Testing: 2029-02-09 18:37:18

Product Name: **Chloramphenicol**

CAS Number: 56-75-7

Specifications & Purity: Moligand™, for plant cell culture

Lot #: B2505080

SKU #: **C100334**

Version: **1**

Analysis #: **162295**

Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.72500 %
loss on drying, 105 °C	0-0.5 (%)	0.06 %
Melting point	149-152 (°C)	151.68000 °C
Specific Rotation [α] ₂₀ /D(c=5 in EtOH)	17-20 (°)	17.98 °
Appearance (C100334)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Pale Yellow Clear(50 mg/ml)	pass	Pass



John Su
QA & QC Manager