

Certificate of Analysis

Date of Testing: 2022-12-01 18:44:32
Date of Next Testing: 2026-11-30 18:44:32
Product Name: **Chloramphenicol**
CAS Number: 56-75-7
Specifications & Purity: for plant cell culture
Lot #: K2230879
SKU #: **C100334**
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