

## Certificate of Analysis

Date of Testing: 2023-03-03 18:44:29  
Date of Next Testing: 2027-03-02 18:44:29  
Product Name: **Chloramphenicol**  
CAS Number: 56-75-7  
Specifications & Purity: 98%  
Lot #: B2327400  
SKU #: **C100331**  
**Analysis:** **184809**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Melting point	149-152 (°C)	151.71000 °C
Specific Rotation [α] <sub>20</sub> /D(c=5 in EtOH)	17-20 (°)	18.17°
Purity(HPLC)	98-100 (%)	99.39800%
Purity (Argentmetric Titration)	97.5-102.5 (%)	99.90%
loss on drying, 105 °C	0-0.5 (%)	0.14%
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (C100331)	White to Off-White Powder	White to Off-White Powder



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QA & QC Manager