



Certificate of Analysis

Chloramphenicol

Catalog Number: CM1001
Lot Number: 0413505
CAS Number: 56-75-7
Synonym(s): D-(-)-threo-2-Dichloroacetamido-1-(4-nitrophenyl)-1,3-propanediol
Chloromycetin, D-(-)-threo-2,2-Dichloro-N-[[β -hydroxy- α -(hydroxymethyl)- β -(4-nitrophenyl)ethyl]acetamide
Molecular Formula: $C_{11}H_{12}Cl_2N_2O_5$
Molecular Weight: 323.13
Storage: 15°C – 30°C
Date of Manufacture: August 15, 2014
Retest Date: August 14, 2017

Test	Specification	Result
Appearance	White to off-white crystalline powder	Conforms
Purity	97.0 – 103.0%	99.8%
Identification	To meet requirements	Conforms
Specific Rotation	+17.0° - +20.0°	+19.3°
Melting Range	149°C – 153°C	149°C
Crystallinity	To meet requirements	Conforms
Chromatographic Purity	To meet requirements	Conforms
pH (2.5% in H ₂ O)	4.5 – 7.5	4.6
Pyrogens	≤ 80mg/kg	< 80mg/kg

Approved by:

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