

CERTIFICATE OF ANALYSIS

Product Description CHLORAMPHENICOL
Product Number C252
Lot Number HRT0252011
Storage Temperature Room Temperature
Molecular Weight 323.13
Formula $C_{11}H_{12}Cl_2N_2O_5$
CAS Number 56-75-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Ethanol @ 50 mg/mL	Passes
Physical Appearance Color*	2143-70 to 2149-70 or 2023-70 to 2028-70	2143-70 White
Texture	Fine to Coarse Crystalline Powder	Fine Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97%	99.60%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 50.0 mg/L


TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; tissue necrosis or death is possible. It was tested with two or more plant cell lines with no bioburden added to the medium.	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 03-December-2025

Recommended Shelf-Life Date: December 2033

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician