

# CERTIFICATE OF ANALYSIS

Product Description CHLORAMPHENICOL  
Product Number C252  
Lot Number 11F0252004  
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 Off-White
Texture	Fine to Coarse Crystalline Powder	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 15 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97%	100%
Loss On Drying	For Information Only	0.10%

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

## Biological Testing:

Test Concentration: 50 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.	Ajuga	Passes
	Sugar Cane	Passes

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

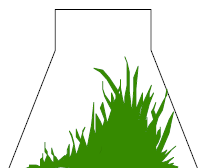
**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® shall not be held liable for any damage resulting from handling or from contact with the above product. 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: 25-June-2018

Recommended Shelf Life Date: June 2023



David S. Hart  
Technical Director



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>

