

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 | 2148-70 Off-White w/Slight Yellow Tint |
| Texture | Fine to Coarse Crystalline Powder | Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 15 min | Passes |
| Insolubles | None | 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. | African Violet | Passes |
| | Syngonium | 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.

Recommended Shelf Life Date: November 2014



Gary Seckinger, Ph.D.



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