

# CERTIFICATE OF ANALYSIS

Product Description COBALT NITRATE HEXAHYDRATE  
Product Number C193  
Lot Number 02K19302  
Storage Temperature Room Temperature  
Molecular Weight 291.04  
Formula  $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$   
CAS Number 10026-22-9

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	4.56
Physical Appearance Color* Texture	HC-49 to HC-51 Crystalline Powder to Crystals	HC-51 Reddish Brown Crystals
Solution Appearance Clarity Color	Clear Dark Red	Clear Red
Average Time to Dissolve	Within 2 min.	Passes
Precipitation Formation	None	Passes
Purity	Minimum 98.0%	99.4%

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

## Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured with no morphological aberrations to plants	African Violet	Passes
	Syngonium	Passes

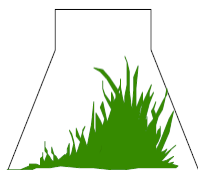
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: October 2015



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### **PhytoTechnology Laboratories®**

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