

CERTIFICATE OF ANALYSIS

Product Description CYANOCOBALAMIN
Product Number C242
Lot Number SVS0242006
Storage Temperature 2-8°C
Molecular Weight 1355.37 g/mol
Formula C₆₃H₈₈CoN₁₄O₁₄P
CAS Number 68-19-9

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	6.4
Physical Appearance Color*	2083-10 to 2083-30, HC-64, HC-61, PM-15, or PM-17	HC-61 Dark Red
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance Clarity	Clear	Clear
Color	Dark Pink to Deep Red	Deep Red
Average Time to Dissolve	For Information Only (Approx. 6 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98%	98.50%
Loss on Drying	For Information Only	2.6%

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

Biological Testing:

Test Concentration: 10.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Tobacco Callus	Passes
	Perilla Fantasy	Passes

The material is derived from microbial fermentation and highly purified and considered semi-synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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Date of Release: 04-January-2023

Recommended Shelf Life Date: January 2026



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