

CERTIFICATE OF ANALYSIS

Product Description	CASEIN ENZYMATIC HYDROLYSATE
Product Number	C184
Lot Number	15E0184018
Storage Temperature	Room Temperature
CAS Number	65072-00-6

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	7.0
Physical Appearance Color*	2017-70 to 2026-70, 2018-60 to 2021-60, 2150-60 to 2154-60, 2151-50 to 2155-50, 2145-70 to 2150-70, HC-11, HC-12, PM-1 to PM-4	2145-70 Off-White
Texture	Fine to Granular Powder or Pellets and Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Amber	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 mins)	5 mins
Insolubles	None	Passes
Amino Nitrogen	For Information Only	4.6%
Total Nitrogen	For Information Only	13.0%
Loss on Drying	For Information Only	4.3%

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

Biological Testing:

Test Concentration: 2.0 g/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	Begonia	Passes
	Ajuga	Passes

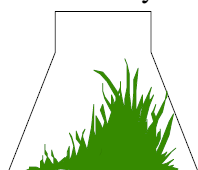
The material described in this certificate was manufactured in the United States of America and is animal-derived. This product is derived from bovine milk of New Zealand origin. It was hydrolyzed with a Bovine Casein-derived enzyme of New Zealand origin.

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: May 2023



Gary Seckinger, Ph.D.



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Created on 17 June 2015 JN