

CERTIFICATE OF ANALYSIS

Product Description CASEIN
 ENZYMATIC HYDROLYSATE
 Product Number C184
 Lot Number SUT0184022
 Storage Temperature Room Temperature
 CAS Number 91079-40-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	7.2
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	2150-70 Cream
Texture	Fine to Granular Powder or Pellets and Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Amber	Clear Amber
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
Amino Nitrogen	For Information Only	4.2%
Total Nitrogen	For Information Only	12.2%
Loss on Drying	For Information Only	3.6%

* 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	Sugar Cane	Passes
	Begonia	Passes

The material described in this certificate was manufactured in Mexico and is animal-derived. This product is derived from bovine milk of New Zealand origin. It was hydrolyzed with a porcine derived enzyme of U.S.A 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.

Date of Release: 18-August-2016
 Recommended Shelf Life Date: September 2024



Gary Seckinger, Ph.D.



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>

