

# CERTIFICATE OF ANALYSIS

Product Description      CASEIN  
                                 ENZYMATIC HYDROLYSATE  
Product Number         C184  
Lot Number                HTE0184039  
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	2017-70 Cream
Texture	Fine to Granular Powder or Pellets and Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Amber	Clear Amber
Insolubles	None	Passes
Amino Nitrogen	For Information Only	5.37%
Total Nitrogen	For Information Only	12.89%

\* 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	Xanthi Tobacco Callus	Passes
	African Violet	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.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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: 13-December-2024

Recommended Shelf-Life Date: December 2032

Prepared by:   
Alex Lambert  
Lead Quality Control Laboratory Technician

**PhytoTech Labs Inc.**  
14610 W 106<sup>TH</sup> St. Lenexa, KS 66215  
Phone: 1-888-749-8682 or 1-913-341-5343  
Phytotechlab.com