

# CERTIFICATE OF ANALYSIS

Product Description      TRYPTONE  
 ENZYMATIC DIGEST OF CASEIN  
 Product Number        T832  
 Lot Number              11G0832014  
 Storage Temperature    Room Temperature

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	6.5 – 8.5	6.08
Physical Appearance		
Color*	2021-70 to 2026-70, 2146-70 - 2150-70, or 2150-60 to 2154-60	2148-70 Light Cream
Texture	Fine to Granular Powder or Pellets and Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	Colorless
Average Time to Dissolve	Within 2 min	Passes
Insolubles	None	Passes
Total Nitrogen	For Information Only	13.3%
Amino Nitrogen	For Information Only	4.4%
Loss on Drying	For Information Only	4.5%

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

## Biological Testing:

Test Concentration: 100 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	Sugarcane	Passes
	Hosta	Passes

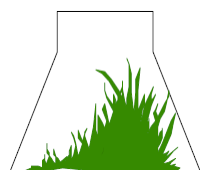
The material described in this certificate was manufactured from bovine milk originating in Australia; it was hydrolyzed with an enzyme derived from Porcine that originated in the USA.

**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: July 2019



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>



Created on 19 August 2011 PN