

CERTIFICATE OF ANALYSIS

Product Description CASEIN
 ENZYMATIC HYDROLYSATE
 Product Number C184
 Lot Number AKR0184025
 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 | 7.1 |
| 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 | 2154-50 Beige Fine Powder |
| Texture | Fine to Granular Powder or Pellets and 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 | 3.94% |
| Total Nitrogen | For Information Only | 12.67% |
| Loss on Drying | For Information Only | 4.41% |

* 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 | African Violet | Passes |
| | Kalanchoe | 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: 25-May-2018
 Recommended Shelf Life Date: May 2026



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