

CERTIFICATE OF ANALYSIS

Product Description TOMATO POWDER
Product Number T872
Lot Number 08B87205
Storage Temperature Room Temperature

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|--|-------------------------|
| Solubility | Soluble in Water | Passes |
| pH (5.00 g/L) | Under Development | 4.43 |
| Physical Appearance Color* | HC-52, 2155-40 to 2158-40 Fine Powder that may have Clumps | 2156-40 Dark Tan |
| Texture | | Fine Powder with Clumps |
| Solution Appearance Clarity Color | Opaque Dark Orange to Dark Orange- Brown | Opaque Dark Orange |
| Average Time to Dissolve | Within 20 min | Passes |
| Precipitation Formation | None | Passes |

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

Biological Testing:

| 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 | Cattleya Orchid | Passes |
| | Dendrobium Orchid | Passes |

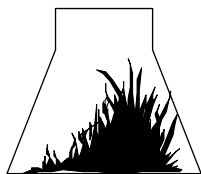
The material described in this certificate was manufactured in the United States of America and is plant-derived. This product is made from a tomato puree spray-dried with maltodextrin at 215° F for 15-30 seconds under high pressure. No animal-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC 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: February 2013



Gary Seckinger, Ph.D.



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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Created on 3/21/2008