

CERTIFICATE OF ANALYSIS

Product Description TRIS-ACETATE-PHOSPHATE (TAP)
Product Number T8224
Lot Number 12E8224003
Storage Temperature 2-6 °C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--------------------------|-------------------|-------------------|
| Solubility | Soluble in Water | Passes |
| pH (3.17 g/L) | Under Development | 7.2 |
| Physical Appearance | | |
| Color* | Under Development | RM-3 White |
| Texture | Under Development | Fine Powder |
| Solution Appearance | | |
| Color | Under Development | Colorless |
| Clarity | Under Development | Clear |
| Average Time to Dissolve | Under Development | 30 minutes |
| Insolubles | Under Development | Fine Particulates |

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

Biological Testing:

| TEST SPECIFICATION | ALGAL CELL LINE | RESULTS |
|---|----------------------------------|---------|
| Supports and/or facilitates algal growth. | <i>Chlamydomonas reinhardtii</i> | Passes |

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

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: December 2019



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