

# CERTIFICATE OF ANALYSIS

Product Description      ZEATIN SOLUTION (1 mg/mL)  
*trans* ISOMER  
(2E)-2-METHYL-4-(1H-PURIN-6-YLAMINO)-2-BUTEN-1-OL

Product Number      Z860

Lot Number      HKA0860011

Storage Temperature      -20°C

Molecular Weight      219.25

Formula      C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O

CAS Number      1637-39-4

## **Physiochemical Specifications:**

| TEST                          | SPECIFICATION        | RESULTS      |
|-------------------------------|----------------------|--------------|
| Solubility                    | Miscible with Water  | Passes       |
| pH (Neat)                     | For Information Only | 11.6         |
| Physical Appearance           |                      |              |
| Color                         | Colorless            | Colorless    |
| Texture                       | Clear Liquid         | Clear Liquid |
| Insolubles                    | None                 | None         |
| Sterility                     | Sterile              | Passes       |
| Purity (HPLC of Raw Material) | Minimum 98%          | 99.18%       |

## **Biological Testing:**

Test Concentration: 1 mL (1 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 | Achimenes       | Passes  |
|  | Tobacco Callus  | Passes  |

The material described in this certificate was manufactured in the United States of America and is synthetic. 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.***

Date of Release: 8-November-2021

Recommended Shelf Life Date: November 2023



David Hart  
Technical Director

**PhytoTech Labs Inc.**  
14610 W 106<sup>TH</sup> St. Lenexa, KS 66215  
Phone: 1-888-749-8682 or 1-913-341-5343  
Fax: 1-888-449-8682 or 1-913-341-5442  
Phytotechlab.com