

CERTIFICATE OF ANALYSIS

Product Description 6-(γ,γ -DIMETHYLALLYLAMINO)PURINE
2iP; N6-[2-ISOPENTYL]ADENINE
Product Number D525
Lot Number 14M0525127
Storage Temperature -20-0 °C
Molecular Weight 203.3
Formula $C_{10}H_{13}N_5$
CAS Number 2365-40-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1 N KOH @ 10 mg/mL	Passes
Physical Appearance Color*	2021-70 to 2025-70, 2020-60 to 2024-60, or 2143-70 to 2148-70	2023-60 Light Yellow
Texture	Fine Powder, may have clumps	Fine Powder w/ Clumps
Solution Appearance Clarity Color	Clear Colorless to Tinted	Clear Tinted
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity by Titration (0.1N HClO ₄)	Minimum 96.0%	96.80%
FTIR	Conforms to Structure	Passes
Water Content by Karl Fischer	For Information Only	0.2%

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

Biological Testing:

Test Concentration: 10.0 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.	Syngonium	Passes
	Cape Primrose	Passes

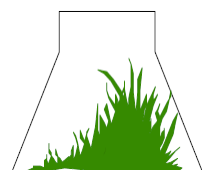
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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.

Recommended Shelf Life Date: December 2017



Gary Seckinger, Ph.D.



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