CERTIFICATE OF ANALYSIS

Product Description	CARBENDAZIM
Product Number	C1888
Lot Number	12K1888001
Molecular Weight	191.19
Formula	$C_9H_9N_3O_2$
CAS Number	10605-21-7
Storage Temperature	2-6°C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1.0N HCl @ 10 mg/mL	Passes
Physical Appearance Color* Texture	 Under Development Under Development	 2145-70 Off-White Fine Powder
Solution Appearance Clarity Color	 Under Development Under Development	 Clear Colorless
Average Time to Dissolve	Under Development	3 min
Insolubles	Under Development	None
FTIR	Conforms to Structure	Passes
Purity	Minimum 97.0%	98.40%

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

Biological Testing:

Test Concentration: 0.010 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	Tobacco callus	Passes
	Coreopsis	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.

***Phyto*Technology 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. *Phyto*Technology 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: November 2019

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Created on 26 November 2012 CC
Revised on 28 November 2016 JN