CERTIFICATE OF ANALYSIS

Product Description	DKW BASAL MEDIUM CONTAINS 10 g/L SUCROSE
Product Number	D191
Lot Number	16C0191101
Storage Temperature	2-6 ˚C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (15.22 g/L)	3.5 – 4.5	4.00
Physical Appearance Color* Texture	 PM-1 to PM-4, PM-13, 2144-70 to 2148-70, 2024-70 to 2028-70, or 2023-60 to 2027-60 Fine Powder	 PM-4 White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless to Slight Yellow Tint	 Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 10 mins)	10 mins
Insolubles	None to Few	Passes-Few
Moisture	For Information Only	1.56%

* 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.	Royal Frost Birch	Passes
	Blackberry	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.

***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: March 2019

Gary Seckinger, Ph.D.

***Phyto*Technology Laboratories®**
Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at http://www.phytotechlab.com

*Phyto*Technology Laboratories®
Dedicated to Growth

ISO 9001 REGISTERED FIRM

Created on 13 April 2016 JN