

CERTIFICATE OF ANALYSIS

Product Description DKW BASAL MEDIUM
 CONTAINS 10 g/L SUCROSE
Product Number D191
Lot Number 15G0191097
Storage Temperature 2-6 °C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|--|-----------------------------|
| Solubility | Soluble in Water | Passes |
| pH (15.22 g/L) | 3.5 – 4.5 | 4.1 |
| Physical Appearance Color* | PM-1 to PM-4, PM-13, 2144-70 to 2148-70, 2024-70 to 2028-70, or 2023-60 to 2027-60 | PM-4 White |
| Texture | Fine Powder | Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless to Slight Yellow Tint | Clear Slight Yellow Tint |
| Average Time to Dissolve | For Information Only (Approx. 10 mins) | 10 mins |
| Insolubles | None to Few | Passes-Few |
| Moisture | For Information Only | 0.53% |

* 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.

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: July 2018



Gary Seckinger, Ph.D.



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