CERTIFICATE OF ANALYSIS

Product Description Product Number Lot Number Storage Temperature RUGINI OLIVE MEDIUM R7100 AYK7100009 2-8°C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS | |
|--------------------------|----------------------|---------------------|--|
| Solubility | Soluble in Water | Passes | |
| pH (4.05 g/L) | Under Development | 4.1 | |
| Physical Appearance | | | |
| Color* | Under Development | 2017-70 Pale Yellow | |
| Texture | Under Development | Fine Powder | |
| Solution Appearance | | | |
| Color | Under Development | Clear | |
| Clarity | Under Development | Slight Yellow Tint | |
| Average Time to Dissolve | Under Development | 15 min | |
| Insolubles | Under Development | None | |
| Moisture | For Information Only | 0.79%% | |
| Osmolality | For Information Only | 86 mOsm | |

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

Biological Testing:

Test Concentration:

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more | Tobacco Callus | Passes |
| plant tissue cultured lines with no morphological aberrations to plants | Perilla Fantasy | 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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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: 13-January-2023 Recommended Shelf Life Date: July 2025

David Hart Technical Director

 PhytoTech Labs Inc.

 14610 W 106TH 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