

# CERTIFICATE OF ANALYSIS

Product Description POLYETHYLENE GLYCOL; PEG-8000  
Product Number P741  
Lot Number HHG0741016  
Storage Temperature Room Temperature  
Molecular Weight 7000-9000  
Formula  $H(C_2H_4O)_nOH$   
CAS Number 25322-68-3

## **Physiochemical Specifications:**

| TEST                                     | SPECIFICATION                                    | RESULTS                     |
|--|--|-----------------------------|
| Solubility                               | Soluble in Water @ 10 mg/mL                      | Passes                      |
| pH                                       | 4.3-7.5  | 4.7                         |
| Physical Appearance<br>Color*<br>Texture | PM-1 to PM-4<br>Fine to Coarse Powder, or Flakes | PM-1 White<br>Coarse Powder |
| Solution Appearance<br>Clarity<br>Color  | Clear<br>Colorless                               | Clear<br>Colorless          |
| Insolubles                               | None   | Passes                      |
| FTIR                                     | Conforms to Structure                            | Passes                      |
| Average Molecular Weight                 | 7000-9000  | 8211                        |

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

## **Biological Testing:**

Test Concentration: 10.0 g/L


| TEST SPECIFICATION   | PLANT CELL LINE       | RESULTS |
|--|-----------------------|---------|
| This product is tested with two or more plant cell lines to ensure there are no phytotoxic impurities that would cause morphological aberrations to plants | Parrot Feather        | Passes  |
|  | Xanthi Tobacco Callus | Passes  |

The material described in this certificate is synthetic. 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: 01-May-2026

Recommended Shelf-Life Date: May 2034

Prepared by:   
Alex Lambert  
Lead Quality Control Laboratory Technician