

CERTIFICATE OF ANALYSIS

Product Description POLYOXYETHYLENESORBITAN MONOOLEATE; TWEEN® 80
Product Number P738
Lot Number HYY0738010
Storage Temperature Room Temperature
Molecular Weight 1309.63 g/mol
Formula C₆₄H₁₂₄O₂₆
CAS Number 9005-65-6

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|-------------------------------|--|-----------------------|
| Solubility | Miscible with Water @ 1 mL/L | Passes |
| Physical Appearance Color* | 2023-30 to 2027-30, 2023-40 to 2027-40, 2023-50 to 2027-50, 2023-60 to 2027-60 | 2023-30 Yellow |
| Texture | Clear, Viscous Liquid | Clear, Viscous Liquid |
| Insolubles | None | Passes |

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

Biological Testing:

Test Concentration: 1.0 mL/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. | Coreopsis | Passes |
| | Begonia | 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.

Product Release Date: 22-February-2021

Recommended Shelf Life Date: February 2029



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