



## Certificate of Analysis

Spiral Eyes, LLC  
9602 Highway 19  
#1293  
Port Richey, FL 34673

**Shipped Quantity: 1.000 PL**

OPTIPHEN PAIL 30L 2 Optiphen(TM) preservative  
Material Number: 830412

Batch: 16503172

| Characteristics                               | Specification   | Results       |
|---|-----------------|---------------|
| Appearance As Is (PC-A009)                    | PASS            | PASS          |
| Color Hazen (PC-A012)                         | <= 100          | 2             |
| Density 25°C (g/cm3) (PC-A001)                | 1.0126 - 1.0217 | 1.0176        |
| Refractive Index 20°C (PC-A001)               | 1.4800 - 1.5050 | 1.4935        |
| Content Phenoxyethanol (%)<br>(HPLC-P008)     | 53.0 - 58.0     | 56.2          |
| Content Phenol impurity (ppm)<br>(HPLC-RM008) | <= 6            | 4             |
| Content Octandiol (%)<br>(HPLC-P008)          | 42 - 47         | 44            |
| Date of Manufacture                           |                 | July 05, 2022 |
| Expiry Date                                   |                 | July 04, 2024 |
| Shipped Quantity                              |                 | 1.000 PL      |

Notes:

**This COA is printed from a secure computer system ensuring the batch was properly released by the Quality Department and is valid without signature.**