

Certificate of Analysis

State of the Art Ingredients * Fast Friendly Service

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|-------------------------|----------------------|
| Product Name | Optiphen PLUS |
| Lot Number | 436980911 |
| Manufacture Date | 2018-10-14 |
| Expiration Date | 2020-10-13 |

| Property | Specification | Result |
|--|--|--------|
| % Phenoxyethanol (GC, W1506) | 50.5 - 54.5 | 52.0 |
| Specific Gravity @ 25C (SQTM032) | 1.0140 - 1.0240 | 1.0179 |
| % 1,2 Octanediol (GC, W1506) | 40.0 - 44.0 | 41.3 |
| Appearance | Colorless to yellow liquid | PASS |
| Color | <= 200 | PASS |
| Acid Value (W1413) | 25.0 - 37.5 | PASS |
| Mix before sampling and use to ensure homogeneity. Material may solidify when stored below 25 deg C. If | material contains solids gently heat at 40 to 50 deg C and mix thoroughly before use. | |

DISCLAIMER

Technical information and suggestions for use including any formulations and / or procedures are believed to be correct. However this does not constitute a guarantee of the accuracy of the information contained herein and confirming tests in your own laboratory or facility are recommended.

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