

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 49448

Product

2-Phenyl-4,4,5,5-tetramethylimidazoline-3-

4,5-Dihydro-4,4,5,5-tetramethyl-2-phenyl-1*H*-imidazol-1-yloxy-1-oxide

PTIO (=2-Phenyl-4,4,5,5-tetramethylimidazoline-3-oxide-1-oxyl)

[Stable free radical reagent for the simultaneous determination of NO and NO₂ in the atmosphere]

CAS Number 18390-00-6

Appearance Blue to dark blue powder to crystal

Infrared Spectrum Conforms to structure

UV Ratios Lambda Max. : 358.0 to 362.0 nm(EtOH)

Extinction Co-Efficient Molar : $\geq 10,000$ (EtOH, 358.0 to 362.0 nm)

Assay by titration $\geq 98\%$ (Non-aqueous)

Storage Store at ≤ -10 °C

For Laboratory Use Only