

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue B207500

Benzotriazol-1-vl-

Product: oxytripyrrolidinphosphonium

Hexafluorophosphate

Structure:

Lot Number: 22-GHZ-45-1

Shipping This Product Is Stable To Be Shipped At

Condition: Room Temperature

CAS Number: 128625-52-5

Synonym:

PYBOP;

Molecular Formula: C₁₈H₂₈F₆N₆OP₂ Molecular weight:

520.39

Source of Product:

N/A

Solubility:

Acetonitrile (Slightly), Chloroform (Slightly)

Purity: 98%

Storage Condition:

n: 20°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance White to Off-White Solid Off-White Solid

NMRConforms to StructureConformsP NMRConforms to StructureConformsF NMRConforms to StructureConforms

Elemental Analysis Conforms %C: 40.95, %H: 5.44, %N: 16.02

MS Conforms to Structure Conforms

HPLC Purity Report Result 97.83% (215 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By Reviewed By C of A Approved Test Date Retest Date

Nicole Yip Toni Rantanen Chanell Chu 5/31/2021 5/29/2028

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