

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue T896503 CAS Number: 4441-12-7

Synonym: NSC 41250; Phosphoric Acid Trimorpholide;

oduct: Tri(4-morpholinyl)phosphine Oxide Phosphoric Trimorpholide; Phosphoryl

Trimorpholide;

Structure:

Molecular Formula: C₁₂H₂4N₃O₄P Molecular weight:

305.31

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol

(Slightly)

Lot Number: 3-KJK-60-1

Shipping This Product Is Stable To Be

Condition: Shipped At Room Temperature

Purity: 95%

Storage

Condition: -20°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests:Specifications:Results:AppearanceWhite to Off-White SolidWhite SolidNMRConforms to StructureConformsP NMRConforms to StructureConforms

Elemental Analysis Conforms %C: 47.31, %H: 7.93, %N: 13.75

HPLC Purity >95% 99.80% (ELSD)

MS Conforms to Structure Conforms

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 ByReviewed ByC of A Approved ByTest DateRetest DateMeenakshi SharmaToni RantanenChanell Chu6/3/20216/1/2025

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