

# **CERTIFICATE OF ANALYSIS**

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#### 1. Identification

Catalogue P223515 CAS 1049-84-9 Number: Number:

Synonym: 4-Carboxy-5,5-dimethyl-?-[(2-

phenoxyacetyl)amino]-2-thiazolidineacetic Acid; (Phenoxymethyl)penicilloic Acid; Penicilloic V Acid (>80%, xH2O) (Phenoxymethyl)penicilloic Acid; NSC

163496; NSC 74505;

Structure: Molecular Formula:

C16H20N2O6S • X(H 2O)

Molecular weight:

368.4

Source of Product:

Synthetic Solubility:

DMSO (Slightly), Methanol

(Slightly)

**Purity:** >80%

Storage Condition: -20°C

15-YEN-34-1 Number:

This Product Is Stable To Be Shipping Condition: Shipped At Room Temperature

# 2. Warning

Lot

Warning 1: Warning 2: Warning 3:

## 3. Analytical Information

Tests: Specifications: Results:

Water Content 11.4% by Karl Fischer Report Result White to Off-White Solid White to Off-White Solid **Appearance** 

**NMR** Conforms to Structure Conforms MS Conforms to Structure Conforms

Elemental Analysis Conforms %C: 48.97, %H: 5.46, %N: 7.37

**HPLC Purity** Report Result 87.70% (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

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

Henry Tieu Toni Rantanen Christina Gouliaras 6/15/2022 6/13/2026

Dolwin