Chem-Impex International, Inc.

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825 Dillon Drive

Wood Dale, IL 60191 Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 06853 Lot Number 818821

Product S-4-Methylbenzyl-D-penicillamine

D-Pen(pMeBzl)-OH

 $H\text{-}\beta\text{,}\beta\text{-}Dimethyl\text{-}D\text{-}Cys(pMeBzl)\text{-}OH$

Molecular Formula C₁₃H₁₉NO₂S

Molecular Weight 253.2

Appearance White powder

Melting Point Foams at 170.1 °C

Elemental Analysis

(Theory)

Elemental Analysis

(Found)

TLC System n-BuOH/AcOH/H₂O (4:1:1)

n-BuOH/AcOEt/AcOH/H2O (1:1:1:1) CHCl3/MeOH/AcOH/H2O (60:18:3:3)

Plate: silicagel 60 F₂₅₄

Detected by: UV, ninhydrin, ceric-molybdate

C = 61.63%; H = 7.56%; N = 5.53%; S = 12.66%

C = 61.56%; H = 7.51%; N = 5.50%; S = 12.57%

Optical Rotation [a]_D²² = -66.2° (C=2 in AcOH)

Purity by HPLC > 98%

Storage Store at 0-8 °C

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Catalog Number: 06853 Lot Number: 818821

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Bala Kumar

Quality Control Manager