Chem-Impex International, Inc.

Tel: (630) 766-2112 Fax: (630) 766-2218

E-mail: sales@chemimpex.com Web site: www.chemimpex.com

Shipping and Correspondence: Manufacturing site:

935 Dillon Drive 825 Dillon Drive

Wood Dale, IL 60191 Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 00322 **Lot Number** 0568471

Product Suc-Ala-Ala-Ala-pNA

Succinyl-L-alanine-L-alanine 4-nitroanilide

CAS Number 52299-14-6 Molecular Formula C₁₉H₂₅N₅O₈

Molecular Weight 451.44

Appearance Slightly yellowish powder

Appearance of Solution Clear slightly yellow solution (50 mg/mL in DMF)

Elemental Analysis

Elemental Analysis

(Theory)

C = 50.87%; H = 5.55%; N = 15.55%

C = 50.55%; H = 5.58%; N = 15.51%

(Found)

TLC System Chloroform/Methanol/Toluene/H₂O (8:8:8:1)

Chloroform/Methanol/Acetic acid(98-100%)/H₂O (45:13:1:2)

Acetonitrile/H₂O (1:1) Plate: silicagel 60 F₂₅₄

Detected by: UV, ninhydrin, chlorine-tolidine

Related Substances < 0.1% pNA

Assay 100.1% (Elemental analysis, Cth 49.36%, Cfd 49.40%)

Purity by TLC > 99%

Storage Store at \leq -4 °C

Certificate of Analysis

Catalog Number: 00322 Lot Number: 0568471

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