

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 03292
Lot Number 000127-1018027
Product **L- α -Aminosuberic acid**

L-Asu-OH

L-2-Aminooctanedioic acid

CAS Number 4254-88-0

Molecular Formula C₈H₁₅NO₄

Molecular Weight 189.21

Appearance White powder

Appearance of Solution Clear, colorless solution (10mg/ml in 50% formic acid)

Water Content (Karl Fisher) 0.5%

TLC System Ethyl acetate/Pyridine/Acetic Acid/H₂O (60:60:12:36)
Chloroform/Methanol/Acetic Acid/H₂O (60:45:14:6)
n-Butanol/Acetic acid/H₂O (4:2:2)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine, TMD

Optical Rotation [a]_D²⁴ = +19.8° (C=2 in 5N HCl)

Related Substances < 0.2% Ac-D-Asn-OH

Assay 99.0% (Cth 50.78%, Cfd 50.29%)

Purity by TLC ≥ 99%

Chiral Purity < 0.1% D-Enantiomer

Storage Store at RT

Certificate of Analysis

Catalog Number: 03292

Lot Number: 000127-1018027

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