

Chem-Impex International, Inc.

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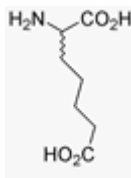
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 05651
Product **DL-α-Aminopimelic acid**

DL-2-Aminoheptanedioic acid

CAS Number 627-76-9

Molecular Formula C₇H₁₃NO₄

Molecular Weight 175.2

Appearance White powder

Solubility Clear, colorless solution (20mg/mL in Formic acid 20%)

Melting Point 212-216 °C

Elemental Analysis (Theory) C = 47.99%, H = 7.48%, N = 8.00%

Elemental Analysis (Found) C = 48.14 ± 0.5%, H = 7.34 ± 0.5%, N = 8.06 ± 0.5%

TLC System n-Butanol/Acetic acid/H₂O (4:2:2)
Isopropanol/Ammonia conc.(1:1)
Ethylacetate/Pyridine/Acetic Acid/H₂O (60:60:12:36)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Purity by TLC ≥ 99%

Storage Store at 0-8 °C

For Laboratory Use Only