

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

**Catalogue Number** 05651  
**Lot Number** 000127-1050296  
**Product** **DL- $\alpha$ -Aminopimelic acid**

DL-2-Aminoheptanedioic acid

**CAS Number** 627-76-9  
**Molecular Formula** C<sub>7</sub>H<sub>13</sub>NO<sub>4</sub>

**Molecular Weight** 175.2

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**Appearance** White powder  
**Solubility** Clear, colorless solution (20mg/mL in Formic acid 20%)  
**Melting Point** 214 °C  
**Elemental Analysis (Theory)** C = 47.99%, H = 7.48%, N = 8.00%  
**Elemental Analysis (Found)** C = 48.14%, H = 7.34%, N = 8.06%  
**TLC System** n-Butanol/Acetic acid/H<sub>2</sub>O (4:2:2)  
Isopropanol/Ammonia conc.(1:1)  
Ethylacetate/Pyridine/Acetic Acid/H<sub>2</sub>O (60:60:12:36)  
Plate: silicagel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, chlorine-tolidine  
**Purity by TLC** > 99%  
**Storage** Store at 0-8 °C

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**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**