

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 | 29932 |
| Lot Number | 002162-098131699 |
| Product | Spermine tetrahydrochloride Gerontine tetrahydrochloride <i>N,N'</i> -Bis(3-aminopropyl)-1,4-butanediamine tetrahydrochloride |
| CAS Number | 306-67-2 |
| Molecular Formula | C ₁₀ H ₂₆ N ₄ •4HCl |
| Molecular Weight | 348.18 |

| | |
|------------------------------------|--|
| Appearance | White powder |
| Water Content (Karl Fisher) | 0.43% |
| pH | 6.3 (5% solution) |
| Purity by GC | 99.5% |
| Storage | Store at 0-8 °C |
| 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