

Certificate of Analysis

Product Name: Spermidine trihydrochloride
Cat #: S-715
CAS #: 334-50-9
Lot #: Lot Specific
Retest Date[†]: Lot Specific
Storage: Store desiccated at 4°C. Protect from air.

| Test | Specs | Results |
|--|-----------------------------------|-------------|
| Color | white to slightly off-white | Complies |
| Form | crystalline powder | Complies |
| Color of Solution (1 mol/L in water) | colorless | Complies |
| Turbidity (1 mol/L in water) | ≤15 NTU | <15 NTU |
| Water Content (K. Fischer) | ≤1.0% | <1.0% |
| pH (1 mol/L in water) | 3.0 to 6.0 | Complies |
| Argentometric Titration | 99.0 - 101.0% | Complies |
| Sulfated Ash | ≤0.2% | <0.2% |
| Heavy Metals (Pb) (color reaction with thioacetamide) | ≤10 mg/kg | <10 mg/kg |
| UV-Absorption (1 mol/L in water, 260 nm) | ≤0.100 AU | <0.100 |
| UV-Absorption (1 mol/L in water, 280 nm) | ≤0.060 AU | <0.060 |
| FT-IR Spectrum | corresponds to reference spectrum | Corresponds |

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

† If provided, the Certificate of Analysis (COA) retest date corresponds to the recommended storage conditions provided on the COA. If no retest date is shown, the shelf-life for products is 2 years after purchase when stored according to COA recommendations. Retest dates are not rigid, and often only serve an informational purpose. COA retest dates are supplied by the manufacturer; however, GoldBio product labels may contain different storage recommendations to extend the life of the product beyond the manufacturer retest date or 2 years from purchase.

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