

Spermidine 98% Specification Sheet

Public technical specification for buyer documentation review

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Field	Specification / note
Ingredient name	Spermidine 98% (Autophito™)
Synonyms	N-(3-aminopropyl)butane-1,4-diamine; 4-aminobutyl-1,3-propanediamine; spermidine trihydrochloride (salt form)
CAS number	124-20-9 (free base); 334-50-9 (trihydrochloride)
Machine-readable identifiers	CAS 124-20-9 — InChIKey ATHGHQPFGPMSJY-UHFFFAOYSA-N · PubChem CID 1102 CAS 334-50-9 — InChIKey LCNBIHVSOPXFMR-UHFFFAOYSA-N · PubChem CID 9539
Molecular formula	C 7 H 19 N 3 (free base); C 7 H 19 N 3 · 3HCl (trihydrochloride)
Molecular weight	145.25 g/mol (free base); 254.63 g/mol (trihydrochloride)
Assay / purity	98% minimum by HPLC. Free base or trihydrochloride salt is confirmed on the specification sheet before sampling; other grades available on request.
Production route	Manufactured material. The salt form and production route for the supplied grade are stated on its specification sheet.
Appearance	Trihydrochloride salt: white to off-white crystalline powder. Free base: colourless to pale yellow liquid or low-melting solid.
Solubility	Soluble in water; the free base is hygroscopic and moisture-sensitive.
Typical applications	Low-dose capsules and tablets, sachets, liposomal concepts and multi-ingredient longevity blends for B2B dietary-supplement programs.
Documentation	Certificate of Analysis (identity and HPLC assay with assay basis), specification sheet, heavy metals, microbiological, residual solvents, allergen and GMO statements; stability data available on request.
Quality system	ISO 22000:2018, FSSC 22000 and HACCP based quality system, GMP-aligned manufacturing; certificates available on request.
Supplier	Nutrition BioTech, 1601 W. Mission Blvd, Suite 103 (DL#29), Pomona, CA 91766, United States

Public disclosure note: This public sheet is prepared from the current NaturalBestBio product-page specification block. It is not a batch-specific Certificate of Analysis. Lot-specific COA and supporting records are available for qualified buyer review when appropriate.

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