Supplied by LiquidShop
Item No.: BIOTIN
Revision: 00 Date: 2026-10-08

Product Specification Sheet

1. Product Description

Product Name:	Biotin (Vitamin B7) — Bulk Food Grade
Chemical / Common Name:	D-Biotin
Synonyms:	Vitamin B7, Vitamin H, D-Biotin
Ingredient Statement:	Biotin
Molecular Formula / Weight:	C10H16N2O3S / 244.31 g/mol
CAS No. / HS Code:	58-85-5 / —
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☐ USP / FCC
Country of Origin:	China
Description:	White powder with characteristic odour and taste.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Description	Powder	Organoleptic
Colour	White	Organoleptic
Odour	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Solubility	Very slightly soluble in water and in alcohol; insoluble in other common organic solvents	USP <1236>
Identification A	Matches reference IR spectrum	IR
Identification B (specific optical rotation)	Meets the requirements	USP <781>
Identification C	Retention time of major peak corresponds to standard	HPLC
Assay (%)	97.5 – 102.0	HPLC
Total Impurity (%)	≤ 2	HPLC
Optical Rotation (°)	+89 – +93	USP <781>

3. Contaminants

Parameter	Specification	Method
Not specified	—	—

4. Microbiological Characteristics

Parameter	Specification	Method
Not specified	—	—

5. Allergen Declaration

Priority Allergen (Health Canada)	Present in Product	Same Line / Facility
Peanuts	☐ Yes ☒ No	☐ Yes ☐ No
Tree nuts	☐ Yes ☒ No	☐ Yes ☐ No
Sesame seeds	☐ Yes ☒ No	☐ Yes ☐ No
Milk	☐ Yes ☒ No	☐ Yes ☐ No

Priority Allergen (Health Canada)	Present in Product	Same Line / Facility
Eggs	☐ Yes ☒ No	☐ Yes ☐ No
Fish	☐ Yes ☒ No	☐ Yes ☐ No
Crustaceans & molluscs	☐ Yes ☒ No	☐ Yes ☐ No
Soy	☐ Yes ☒ No	☐ Yes ☐ No
Wheat & triticale	☐ Yes ☒ No	☐ Yes ☐ No
Gluten (barley, oats, rye)	☐ Yes ☒ No	☐ Yes ☐ No
Mustard	☐ Yes ☒ No	☐ Yes ☐ No
Sulphites (≥ 10 ppm)	☐ Yes ☒ No	☐ Yes ☐ No

6. Regulatory Status

GMO Status:	☒ Non-GMO ☐ Contains GMO ☐ Not applicable
Irradiation:	☒ Not irradiated ☐ Irradiated
Certifications:	☐ Kosher ☐ Halal ☐ Organic ☐ Vegan ☐ Other: _____
BSE / TSE Statement:	BSE/TSE free.
Standard of Quality:	Complies with the manufacturer's specification.

7. Packaging, Storage & Shelf Life

Uses:	Vitamin B7 fortification of beverages, foods and supplements.
Packaging:	Food-grade sealed pouches, repacked from the manufacturer's original packaging.
Storage Conditions:	Store in a cool, dry place, away from heat, moisture, dust and direct sunlight. Keep container closed.
Shelf Life:	48 months.
Lot Code Format:	YYYYMMDDNN (repack date + sequence), traceable to the manufacturer lot.

8. Quality Assurance Review

Reviewed By (QA): LiquidShop Quality Assurance **Review Date:** 2026-10-08

This document was prepared electronically and reviewed by LiquidShop Quality Assurance. It is valid without a signature.

The information contained in this document is accurate to the best of our knowledge. It is the responsibility of the user to ensure the product is suitable for its intended application and complies with applicable regulations.