



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## PURE BIOTIN CERTIFICATE OF ANALYSIS LOT: BN20230923/BE

**Manufacture Date:** September 23, 2023

**Expiration Date:** September 26, 2026

**QA Signature:** Steven Konert

Specification	Parameter	Result
Apperance	White or off-white powder	Conforms
Product description	Biotin, D-Biotin, vitamin H.	Conforms
Identification	1)A: 2)B: 3)C:	Conforms
Assay	98.5%~101.0%	98.67%
Impurities	Individual impurity: ≤1.0% Total impurities: ≤ 2.0%	0.69% 0.85%
Specific rotation	+89° ~ +93°	+91.20°
Residual solvents	Meet USP	Conforms
Melting range	229°C - 232°C	230.0 - 230.8°C
Loss on drying	≤ 0.5%	0.10%
Bulk density	≈ 0.35 g/cm <sup>3</sup>	Conforms
Sulfate ash	≤ 0.1%	0.05%
Dioxin	0.75 ng/kg Max	Conforms
Particle size	99% pass 80 mesh	Conforms
<b>Heavy metals</b>		
Lead	0.5ppm	Conforms
Arsenic	1ppm	Conforms
Cadmium	1ppm	Conforms
Mercury	≤ 0.1ppm	Conforms

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by Buyer.