

Dihydroberberine 98% Specification Sheet

Public technical specification for buyer documentation review

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Field	Specification / note
Ingredient name	Dihydroberberine (DHB)
Synonyms	DHB; 7,8-dihydroberberine; reduced berberine; protoberberine-class isoquinoline alkaloid
CAS number	483-15-8
Machine-readable identifiers	InChIKey FZAGOOYMTGPGF-UHFFFAOYSA-N · PubChem CID 10217
Molecular formula	C 20 H 19 NO 4
Molecular weight	337.37 g/mol
Assay / purity	98% minimum by HPLC; other grades available on request.
Production route	Controlled reduction of berberine (itself obtained from Phellodendron and Coptis botanical sources). Route and starting material are stated in the lot documentation.
Appearance	Yellow to yellow-brown crystalline powder
Solubility	Practically insoluble in water; soluble in methanol, ethanol and DMSO. DHB is oxidation-sensitive; protective packaging and handling guidance are supplied with the specification.
Typical applications	Capsules, tablets and low-dose powder blends for B2B dietary-supplement programs; stability-focused formats reviewed per project.
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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