

Berberine Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/berberine.html>

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Field	Specification / note
Ingredient name	Berberine (supplied as berberine hydrochloride)
Synonyms	Berberine HCl; berberine chloride; berberine hydrochloride; protoberberine-class isoquinoline alkaloid
CAS number	633-65-8 (berberine hydrochloride)
Machine-readable identifiers	InChIKey VKJGBAJNNALVAV-UHFFFAOYSA-M · PubChem CID 12456
Molecular formula	C 20 H 18 ClNO 4 (C 20 H 17 NO 4 · HCl)
Molecular weight	371.81 g/mol (hydrochloride)
Assay / purity	97% minimum by HPLC (berberine hydrochloride). Micellized (Pro-Micelle) formats are specified per project; other grades available on request.
Production route	Botanical extraction and purification. Berberine is a protoberberine-class isoquinoline alkaloid; commercial material is typically obtained from Phellodendron and Coptis botanical sources. Botanical origin is stated in the lot documentation.
Appearance	Yellow crystalline powder
Solubility	Slightly soluble in water at room temperature; more soluble in hot water and in dilute ethanol. Micellized formats are supplied for water-dispersible applications.
Typical applications	Capsules, tablets, sachets and stick packs, powder blends, and micellized liquid or powder concepts 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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