Polydatin 98% Specification Sheet

Public technical specification for buyer documentation review

Source page: https://www.naturalbestbio.com/polydatin-98.html

Document date: 2026-08-01

Field	Specification / note
Ingredient name	Polydatin 98%
Synonyms	Piceid; trans -polydatin; trans -resveratrol 3-O-β-D-glucopyranoside; resveratrol-3-O-glucoside
CAS number	27208-80-6
Machine-readable identifiers	InChIKey HSTZMXCBWJGKHG-CUYWLFDKSA-N · PubChem CID 5281718
Molecular formula	C 20 H 22 O 8
Molecular weight	390.38 g/mol
Assay / purity	98% minimum by HPLC, stated on the Certificate of Analysis for each lot. Other grades available on request.
Source / production route	Extraction and purification from Polygonum cuspidatum Sieb. et Zucc. root (Japanese knotweed). Plant part, extraction solvent and residual solvent limits stated on the specification sheet.
Appearance	White to off-white crystalline powder
Solubility	Water solubility is higher than that of the corresponding aglycone resveratrol; soluble in methanol, ethanol and DMSO. Dissolution and dispersion behaviour should be confirmed for the intended dosage form.
Relationship to resveratrol	Polydatin is the 3-O-glucoside of resveratrol (resveratrol CAS 501-36-0). The glucoside carries additional molecular weight, so equal weights of the two materials do not supply equal resveratrol-equivalent content. Label and formulation basis must be agreed before lock-down.
Typical applications	Capsules, tablets, powder blends, beverage and stick-pack formats, and topical cosmetic formulations for B2B manufacturing
Documentation	Certificate of Analysis, specification sheet, botanical identity, heavy metals, microbiological testing, residual solvents, pesticide residues, allergen statement, GMO statement, particle size data and stability data
Quality system	ISO 22000:2018, FSSC 22000, HACCP and GMP (certificates provided 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.

Nutrition BioTech | naturalbestbio.com | sales@naturalbestbio.com