

Luteolin 98% Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/luteolin-98-pd580833448.html>

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Field	Specification / note
Ingredient name	Luteolin 98%
Synonyms	3',4',5,7-Tetrahydroxyflavone; digitoflavone; luteolol; 2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one
CAS number	491-70-3
Machine-readable identifiers	InChIKey IQPNAANSBPBGFQ-UHFFFAOYSA-N · PubChem CID 5280445
Molecular formula	C 15 H 10 O 6
Molecular weight	286.24
Assay / purity	98% minimum by HPLC; assay basis stated on the Certificate of Analysis
Source / production route	Botanical extraction and purification; the botanical source used for the supplied lot is stated on the specification sheet
Appearance	Yellow to light yellow crystalline powder
Solubility	Practically insoluble in water; soluble in DMSO and in dilute alkali. Particle size, wetting behaviour and any dispersion or liposomal format should be confirmed for the intended dosage form.
Typical applications	Capsules, tablets and low-dose powder blends for B2B nutraceutical manufacturing; commonly formulated alongside palmitoylethanolamide (PEA), quercetin, apigenin and fisetin
Allergen and source note	Because commercial luteolin is obtained from more than one botanical source, the botanical origin and allergen status are confirmed per lot; buyers should confirm both before formula lock where allergen labelling applies
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.

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