

Epicatechin Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/epicatechin-pd523933448.html>

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Field	Specification / note
Ingredient name	Epicatechin 90%
Synonyms	(-)-Epicatechin; L-epicatechin; epicatechol; (2R,3R)-2-(3,4-dihydroxyphenyl)-3,4-dihydro-2H-chromene-3,5,7-triol
CAS number	490-46-0
Machine-readable identifiers	InChIKey PFTAWBLQPZVEMU-UKRRQHHQSA-N · PubChem CID 72276
Molecular formula	C 15 H 14 O 6
Molecular weight	290.27 g/mol
Assay / purity	90% minimum by HPLC, stated on the Certificate of Analysis for each lot. Higher-assay grades can be quoted on request.
Source / production route	Botanical extraction and purification (flavanol naturally present in cocoa, green tea and certain fruits). The plant source and solvent system for the supplied lot are stated on the specification sheet.
Appearance	Off-white to light brown or light pink powder
Solubility	Slightly soluble in water; soluble in ethanol, methanol and DMSO. Sensitive to alkaline pH, heat and oxidation, so process conditions should be confirmed for the intended dosage form.
Typical applications	Capsules, tablets, stick packs and powder blends for B2B nutraceutical manufacturing; commonly formulated alongside creatine, NAD+ precursors, dihydromyricetin and PQQ
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](https://www.naturalbestbio.com) | sales@naturalbestbio.com