

Pomegranate-Derived Metabolite Specification Sheet

Public technical specification for buyer documentation review

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Field	Specification / note
Ingredient name	Urolithin A (pomegranate-derived metabolite)
Synonyms	3,8-dihydroxy-6H-dibenzo[b,d]pyran-6-one; 3,8-dihydroxybenzo[c]chromen-6-one; UA
CAS number	1143-70-0
Machine-readable identifiers	InChIKey RIUPLDUFZCXCHM-UHFFFAOYSA-N · PubChem CID 5488186
Molecular formula	C 13 H 8 O 4
Molecular weight	228.20 g/mol
Assay / purity	98% minimum by HPLC; other grades available on request.
Production route	Current production is by fermentation. The production route for each lot is stated on the Certificate of Analysis.
Appearance	Off-white to light-beige powder
Solubility	Practically insoluble in water; soluble in DMSO and in ethanol. Micronized and dispersible concepts can be discussed per project.
Typical applications	Capsules, tablets, sachets, and cosmetic or topical concepts for B2B 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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