

Akkermansia Muciniphila Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/akkermansia-muciniphila.html>

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Field	Specification / note
Ingredient name	Akkermansia muciniphila (AKK)
Synonyms	AKK; Akkermansia; mucin-degrading gut commensal; next-generation microbiome ingredient
Taxonomy	Bacteria -> Verrucomicrobiota -> Akkermansiaceae -> Akkermansia muciniphila
CAS number	Not applicable — whole-cell biological ingredient, identified by species and strain designation rather than by CAS number
Material formats	Live biomass, pasteurized / heat-inactivated cells, or postbiotic powder. The exact format is confirmed per order and stated on the specification sheet.
Identity & potency	Strain designation and potency unit are stated on the Certificate of Analysis — CFU per gram for live material, or total cells / AFU per gram for pasteurized and inactivated material. Potency is not interchangeable between formats.
Production route	Anaerobic fermentation followed by harvest and stabilization (freeze-drying or spray-drying). Carrier, cryoprotectant and any pasteurization step are stated on the specification sheet.
Appearance	Off-white to light beige powder; shade depends on carrier and drying route
Storage & stability	Per specification sheet. Live formats require cold-chain handling; pasteurized and postbiotic formats are more tolerant of ambient logistics. Stability data provided on request.
Typical applications	Capsules, sachets and stick packs, dual-chamber and moisture-controlled formats, and blends alongside fiber, protein and polyphenol systems for B2B manufacturing
Documentation	Certificate of Analysis, specification sheet, strain identity and species confirmation, potency method, heavy metals, microbiological testing, allergen statement, GMO statement, storage and stability data
Regulatory note	Regulatory status for live, pasteurized and postbiotic microbial ingredients differs by market and by format. Buyers should confirm the status for the destination market before formulation.
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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