



IdunVit

BIOTECHNOLOGY & BIOACTIVE NUTRACEUTICALS

CoA SPECIFICATION

DocCode:TS-IDUN-USA-002 | Rev. 02

IDUNVIT – NAD + SYNERGY*

A high-performance cell-rejuvenation nutraceutical engineered to intercept aging pathways and optimize cellular longevity. By combining pure structural extracellular matrix precursors with scientifically audited, high- potency mitochondrial antioxidants (including 98% Pure Resveratrol and 5% Pure Astaxanthin), IdunVit dynamically mitigates inflammaging, fuels cellular ATP generation, and supports tissues from within.*

1. General Product Specifications (US Market)

TECHNICAL PARAMETERS & TRACEABILITY MAPPING

Product Name	IdunVit (NAD + Synergy*)
Product Category	Dietary Supplement (US FDA 21 CFR Compliant Labeling)
Brand Name	Éter Anima
Manufacturing Origin	Made in Spain (Distributed Internationally)
Dosage Form	Hard Veggie Capsules (Hypromellose System)
Packaging Presentation	Amber bottle containing 60 veggie capsules
Serving Size	2 Capsules per day (Provides 30 servings per container)
Net Weight	38.88 g (1.37 oz) – 648 mg per capsule
Control Batch Number	251104
Expiration Profile (Best By)	11/2027
Distributed By	EJM Farming Investments S.L. — 15 Can Pau Birol Street, Unit 2, Lower Level, 17005 Girona, Spain
Technical Contact	hello@eteranima.com www.eteranima.com

2. Supplement Facts: Qualitative & Quantitative Composition

In strict accordance with US FDA 21 CFR 101.36 standards, the qualitative and quantitative composition per daily serving size (2 capsules) is certified below. This matrix reflects the official US label specifications, including calibrated Active Daily Values (% DV):

Active Ingredient Input	Mass per Serving	Certified Raw Purity / Assay	Elemental Active Yield	% Daily Value (% DV)	Primary Bioactive Pathway
Collagen (Bovine, Hydrolyzed)	310 mg	> 100.0% (Protein Nx6.25)	310 mg (Pure Peptides)	†	Extracellular matrix scaffolding, structural skin and joint support.
Acai Fruit Extract (Euterpe oleracea)	200 mg	4:1 Ratio (Water Solvent)	200 mg (Anthocyanin-rich)	†	Combats systemic oxidative stress and neutralizes free radicals.
Pomegranate Fruit Extract (Punica granatum L.)	150 mg	≥ 40.0% (Ellagic Acid)	60 mg (Active Ellagic)	†	Blocks collagen degradation paths and protects against UV damage.
Resveratrol (Polygonum cuspidatum)	140 mg	≥ 98.0% (125:1 Ratio Matrix)	137.2 mg (Active Trans)	†	Direct activation of SIRT1 longevity genes; mimics caloric restriction.
Hyaluronic Acid (as Sodium Hyaluronate)	60 mg	≥ 95.00% (≥46% Glucuronic)	60 mg (Glycosaminoglycan)	†	Matrix hydration retention (holds up to 1000x its mass in water).
Coenzyme Q10 (as Ubiquinone)	60 mg	97.0% - 103.0% (Trans-Isomer)	60 mg (Active CoQ10)	†	Essential mitochondrial electron shuttle; vital ATP fuel generation.
Astaxanthin (from H. pluvialis)	38 mg	5.0% (Pure Carotenoid)	2.0 mg (Active Astaxanthin)	†	High-performance mitochondrial membrane shield against oxidation.

Active Ingredient Input	Mass per Serving	Certified Raw Purity / Assay	Elemental Active Yield	% Daily Value (% DV)	Primary Bioactive Pathway
Vitamin C (as L-ascorbic acid)	80 mg	99.0% - 100.5% (Nutrifoods Grade)	80 mg	89%	Indispensable cofactor required to physically assemble collagen helices.
Biotin	50 µg	100.0% Pure (Cr ystalline Grade)	50 µg	167%	Enzymatic cofactor driving structural keratin synthesis for faneras.

† Daily Value (% DV) not established according to US FDA labeling requirements.

3. Certified Raw Material Technical Monographs (Assay & Purity Audited)

3.1. Hydrolyzed Bovine Collagen

- **Chemical Matrix:** Pure hydrolyzed protein matrix derived from European bovine origin. Average Molecular Weight distribution profile calibrated precisely between 3,000 to 5,000 Da to secure immediate enterocyte bioavailability.
- **Purity & Assay Standard:** Verified total Protein purity of > 100.0% (on Nx6.25 input parameters) and > 91.0% (on Nx5.70 parameter boundaries). Moisture parameter threshold: < 8.0%. Total Ash yield: < 2.0%. Total fat concentration: < 0.3%.

3.2. Standardized Açai Dry Extract (4:1 Ratio)

- **Taxonomy & Plant Part:** Derived exclusively from the fresh fruit of *Euterpe oleracea Mart.* (Origin: Brazil).
Extracted via eco-conscious processes utilizing water as the sole operational extraction solvent.
- **Purity & Technical Benchmarks:** Certified 4:1 Concentration Ratio. Physical composition: 100% free-flowing reddish-rose fine powder. Mesh matrix profile: ≥ 95% passes through a standardized 80 MESH screen. Loss on drying and total ashes are strictly controlled to ≤ 5.0%. Carrier: Non-GMO corn-derived maltodextrin.

3.3. Standardized Pomegranate Dry Extract (40% Ellagic Acid)

- **Taxonomy & Profile:** Extracted from the premium fruit tissue of *Punica granatum L.* High-purity botanical isolation delivering complex protective active polyphenols standardized to yield exactly 40.0% active Ellagic Acid via HPLC analysis.

3.4. Pure Trans-Resveratrol Extract (98% Pure — 125:1 Concentration)

- **Botanical Identification:** 100% pure root active extract obtained from *Polygonum cuspidatum* (Origin: China / Code: P00168). Processed via a clean water-ethanol extraction solvent phase.
- **Purity & Concentration Assay:** **Guaranteed absolute Purity / Title of ≥ 98.0% Resveratrol** with an extreme raw botanical concentration ratio of **125:1**. Particle size calibrated 100% to 80 MESH. Loss on drying: ≤ 2.0%. Total ashes: ≤ 1.0%. Completely excipient-free (Excipiente: Ausencia).

3.5. Biocompatible Sodium Hyaluronate (Fermentative Origin)

- **Biotechnological Cultivation:** Derived from advanced bacterial fermentation pathways of *Streptococcus zooepidemicus*. Certified Hyaluronic Acid content of ≥ 95.00%, with a co-assayed Glucuronic Acid content of ≥ 46.00%. Molecular weight spectrum calibrated precisely at 1.00 - 1.50 MDa. Total protein impurities are limited to an ultra-low threshold of ≤ 0.1%.

3.6. Coenzyme Q10 (Ubiquinone Trans-Isomer)

- **Obtention Process:** High-grade biotechnological fermentation of natural non-GMO corn-derived glucose matrices. Guaranteed Assay value of 97.0% to 103.0% pure Coenzyme Q10 Trans-Isomer. Contaminant boundaries enforce a strict restriction on the structural Cis-isomer to ≤ 0.5%, individual impurities limited to ≤ 0.5%, and loss on drying tightly capped at ≤ 0.20%. Meets all official EP and USP monographs.

3.7. Pure Microalgal Astaxanthin (5% Active Carotenoid Biomass)

- **Microalgal Taxonomy:** Premium natural biomass consisting of aplanosporas obtained from *Haematococcus pluvialis* microalgae lines, crushed and spray-dried. Standardized to yield > 5.0% pure active Astaxanthin carotenoid complex (3.90% Monoesters, 0.90% Diesters, and 0.10% Free).

3.8. Vitamin C (Pure L-Ascorbic Acid — USP/FCC Grade)

- **Chemical Matrix:** IUPAC Name: (2R)-2-[(1S)-1,2-dihydroxyethyl]-3,4-dihydroxy-2H-furan-5-one. Molecular Formula: $C_6H_8O_6$. Molecular Weight: 176.12 g/mol. CAS Number: 50-81-7 (Reference Code: VIT-017).
- **Purity & Assay Standard:** **Certified High-Purity Assay of 99.0% to 100.5%** compliant with strict USP, FCC, BP, EP, and Regulation (EU) No 231/2012 specifications. Melting range: ~190°C. Loss on drying: ≤ 0.4%. Residue on ignition: ≤ 0.1%. Specific rotation: +20.5° to +21.5°.

3.9. D-Biotin (Vitamin B7)

- **Purity Profile:** 100% Pure Crystalline D-Biotin (Guinama Quality Grade, CAS: 58-85-5). Free from added preservatives, heavy metal catalysts, or cross-contamination matrices, driving keratin and cellular structural homeostasis.

4. Clean-Label Encapsulation System & Excipients

- **Organic Bulking Agent:** Heweten® Cellulose Grade (JRS Pharma, Germany). Pure Microcrystalline Cellulose Type 102/200 obtained through controlled mineral-acid hydrolysis of softwood alpha-cellulose trees. 100% pure chemical composition: completely free of carbohydrates, starches, or dairy sugars.

- **Veggie Capsule Matrix:** Inprocaps Brand (Hypromellose E464). Crafted completely from plant-derived wood-cellulose fibers. Fully transparent capsule body and cap, completely odorless. Disintegration validation metric: ≤ 15 minutes (NMT 15 min under USP rules). Certified Kosher, Halal, ISO, and NSF-GMP compliant.

5. Impurities, Heavy Metals, & Microbiological Safety Control Limits

Critical Parameter Target	IdunVit Specification Upper Limits	Analytical Verification Methodology
Lead (Pb)	≤ 1.0 ppm (mg/kg) (Raw limits ≤ 3 ppm)	ICP-MS (Mass Spectrometry)
Arsenic (As)	≤ 1.0 ppm (mg/kg) (Raw limits ≤ 2 ppm)	ICP-MS
Cadmium (Cd)	≤ 1.0 ppm (mg/kg)	ICP-MS
Mercury (Hg)	≤ 0.1 ppm (mg/kg)	ICP-MS
Aflatoxins (B1 / Total)	≤ 2 ppb / ≤ 4 ppb	HPLC-FLD / High Sensitivity Immunoaffinity
Total Plate Count (TAMC)	< 10,000 CFU/g	USP <2021> / Standard Plate Agar
Total Yeast & Mold (TYMC)	< 100 CFU/g (Vit C limit ≤ 500)	USP <2021> / Selective Sabouraud Matrix
Escherichia coli	Absent / Negativo in 10g	USP <2022> Enriched Growth Agar
Salmonella spp.	Absent / Negativo in 25g	USP <2022> Automated Enrichment Protocol
Residual Solvents	Absent / Compliant	GC-MS (Ph. Eur. & USP Headspace GC)

6. Allergen Screening & Biochemical Integrity Declarations

SAFETY & COMPLIANCE TARGET	OFFICIAL ESTATUS	REGULATORY FRAMEWORK & TRACEABILITY SPECIFICATIONS
Allergen Free Status	COMPLIANT / ABSENT	100% free of gluten, dairy, lactose, wheat, corn, soy, or tree nuts according to EU Regulation 1169/2011 and US FALCPA guidelines. Zero risk of cross-contamination.
GMO Status	GMO FREE	Complies with Directives CE 1829/2003 and 1830/2003. Microalgae culture and glucose fermentation processes are free of genetically engineered materials.
Ethylene Oxide (ETO)	ETO FREE	Sterilization strictly verified to be free from Ethylene Oxide gas parameters (≤ 0.01 mg/kg thresholds).
BSE / TSE Risk Profile	BSE / TSE FREE	Complies with EEC 99/742/EC and 97/534/EC guidelines. Softwood excipients and plant HPMC capsules are fully isolated from contaminant vectors.
Irradiation Treatment	NON-IRRADIATED	Conforms to EU Directive 1999/2/CE. The biochemical structure has not been exposed to ionizing sterilization channels.
Nanomaterial Profile	NANOMATERIAL FREE	Formula contains zero engineered nanoparticles or sub-micron dispersion texturizers.

7. Warnings, Suggested Use, & Storage Matrix

- **Suggested Use:** Take 2 capsules daily with food and a full glass of water, or as directed by your healthcare professional.

- **Storage Conditions:** Keep tightly closed in the original amber protective bottle. Store in a cool, dark, and dry place (below 25 °C / 77 °F). Absolute isolation from direct light, humidity, and volatile chemical vapors is mandatory.

- **Federal Warning Matrix:*** Do not exceed the recommended daily dose. Dietary supplements must not be utilized as a substitute for a varied, balanced diet and a healthy lifestyle. Keep out of reach of young children. Not suitable for pregnant or nursing women. Consult your healthcare provider before use if you are undergoing medical treatment or taking prescription medications (especially blood thinners, due to the natural blood-modulating properties of high-purity Trans-Resveratrol).

- *** FDA Disclaimer:** These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

US SPECIFICATION AUTHORIZATION & QUALITY SIGN-OFF

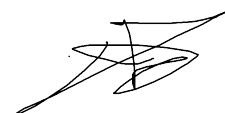
By signing below, it is formally certified that the audited chemical profiles, strict quantitative active assays, and microbiological safety limits detailed in this document fully reflect the final product requirements for international and United States marketplace distributions.

Technical Director: Enric Romero

Title: Founder & CEO / Head of Laboratory & Quality Control

Organization: Laboratorios Éter Anima

Date of Approval: June 22, 2026



Authorized Digital Signature / Sello