



Kore Magnesium

CoA SPECIFICATION

BIOTECHNOLOGY & BIOACTIVE NUTRACEUTICALS

DocCode:TS-KORE-USA-001 | Rev. 04

KORE MAGNESIUM — HORMONE HARMONY*

A premium dietary supplement engineered with a highly bioavailable Tri-Active Magnesium Chelate Matrix, strategically combined with the targeted probiotic strain *Lacticaseibacillus paracasei* LMB1 and standardized cofactors (Vitamins C, B6, and D3). Formulated specifically to optimize hormonal balance, support the gut- brain axis, promote neuromuscular relaxation, and assist deep sleep cycles.*

1. General Product Specifications (US Market)

TECHNICAL PARAMETERS & TRACEABILITY MAPPING

Product Name	Kore Magnesium (Hormone Harmony*)
Product Category	Dietary Supplement (US FDA 21 CFR Compliant)
Brand Name	Éter Anima
Manufacturing Origin	Made in Spain (Distributed Internationally)
Dosage Form	Hard Veggie Capsules
Packaging Presentation	Amber bottle containing 60 veggie capsules
Serving Size	2 Capsules per day (Provides 30 servings per container)
Net Weight	44.28 g (1.56 oz)
Control Batch Number	251105
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 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 exact raw material load inputs, elemental chemical yields, and raw material purity specifications:

Active Ingredient Input	Mass per Serving	Certified Raw Purity / Assay	Elemental Active Yield	% Daily Value (% DV)	Primary Bioactive Pathway
Dimagnesium Malate Trihydrate	320 mg	14.3% - 15.8% (as Mg base)	49.7 mg (Elemental Mg)	12%	Mitochondrial ATP generation, muscle cell recovery.
Magnesium Bisglycinate	320 mg	18.0% (as Mg base)	57.6 mg (Elemental Mg)	14%	Neuromuscular relaxation and sleep cycle support.
Magnesium N-Acetyltaurinate	280 mg	≥ 98.0% (9.5% Mg base)	26.5 mg (Elemental Mg)	6%	Brain bio-availability via lipophilic BBB crossing.
Lactobacillus paracasei LMB1	160 mg	3.7 × 10 ⁹ CFU/g (Pure culture)	6 × 10 ⁸ CFU	†	Epithelial barrier homeostatic optimization.
Vitamin C (as ascorbic acid)	40 mg	≥ 99.0% (USP/Ph. Eur.)	40 mg	89%	Free-radical scavenging and cellular defense.
Vitamin B6 (as pyridoxine HCl)	0.7 mg	98.0% - 101.0% (Dry basis)	0.7 mg	82%	Intracellular magnesium trapping cofactor.
Vitamin D (as cholecalciferol)	2.5 µg	≥ 100,000 IU/g (Standardized)	2.5 µg (110 IU)	25%	Endocrine homeostasis and calcium/magnesium regulation.

† Daily Value (% DV) not established. Total Elemental Magnesium per serving: 133.8 mg (accumulating a comprehensive nutritional density of **32% DV** for adult populations).

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

3.1. Dimagnesium Malate Trihydrate

- **Chemical Parameters:** CAS Number: 869-06-7. Molecular Formula: $MgC_4H_4O_5 \cdot 3H_2O$. Molecular Weight: 156.38 g/mol (anhydrous basis).
- **Purity & Assay Standard:** **Guaranteed total Purity / Assay range of 14.30% to 15.80%** expressed as net active elemental Magnesium content. Loss on drying parameters: $\leq 8.0\%$ (processed at 105 °C, 4 h). pH scale in solution: 8.0 - 11.0.
- **Physical Profile:** Fine, uniform white crystalline powder, slightly soluble in water. Bulk density: ~ 0.68 g/mL; Tapped density: ~ 0.82 g/mL. Particle size distribution: 100% through 30 MESH screen matrix.
- **Compliance Estatus:** Pure synthetic mineral chelate (Origin: India). Residual solvent-free, non-irradiated, 100% allergen-free, and fully certified for strictly vegan consumer applications.

3.2. Buffered Magnesium Bisglycinate Chelate

- **Chemical Structure:** CAS Number: 14783-68-7. Description: Premium magnesium bisglycinate chelate structurally buffered with high-purity magnesium oxide.
- **Purity & Assay Standard:** **Certified Purity / Active Mineral Assay of 18.0%** net elemental Magnesium density. Complies completely with all established USP and FCC pharmacopeia monographs.
- **Processing Inert Coagents:** Citric acid, maltodextrin, silica, and purified water (utilized strictly as manufacturing or texturizing coagents). Technology origin: USA (Audited via Nutrifoods S.L.).

3.3. Magnesium N-Acetyltaurinate

- **Chemical Identification:** CAS Number: 75350-40-2. Product Code: P02026. Molecular Matrix: $C_8H_{20}MgN_2O_{10}S_2$. Molecular Mass: 392.677 g/mol.
- **Purity & Assay Standard:** **Absolute Chemical Purity / Assay of $\geq 98.0\%$ (on a dry basis)**, yielding a standardized elemental Magnesium load of 6.5% - 7.2% (typically calibrated to 9.5% in formulation dry-mix batches).
- **Physicochemical Profile:** Fine white crystalline powder, completely odorless, showing a light characteristic metallic taste. Soluble in water (1 g per 15 g of H_2O). Bulk density: 1 g/cm³.
- **Neurobiological Mechanism:** The acetylated lipophilic structure provides advanced tissue affinity, allowing it to efficiently cross the blood-brain barrier (BBB) to act directly on central NMDA and GABA receptor networks.*

3.4. Lacticaseibacillus paracasei LMB1 (Precision Probiotic Strain)

- **Taxonomy & Origin:** Pure single-strain microflora biomass (Origin: Microlab Biotech, Code: R. 01/07). Cultured under strict, temperature-controlled anaerobic lactic acid fermentation. (Note: Validated under strict internal quality nomenclature as *Lacticaseibacillus paracasei LMB1*).
- **Purity & Potency Assay:** **Microbiological Purity / Viable Strain Potency of 3.7×10^9 CFU/g** at the time of manufacture. Contaminant screening verifies absolute absence of micotoxinas, microcistinas, and plaguicidas. Inert carrier matrix: Non-GMO corn maltodextrin.

- **Physiological Impact:** Restores healthy microbiome balance, mitigates low-grade mucosal irritation, and strengthens the tight junctions of the intestinal epithelium to accelerate cellular magnesium absorption.

3.5. Essential Vitamins and Cofactor Complex

- **Vitamin C (as ascorbic acid):** CAS No: 50-81-7. **Chemical Purity / Assay: ≥ 99.0%.** Meets all BP, USP, FCC, and European Regulation (EU) No 231/2012 quality thresholds. White crystalline matrix with exceptional structural stability.
- **Vitamin B6 (as pyridoxine hydrochloride):** CAS No: 58-56-0. Molecular Formula: $C_{8}H_{12}ClNO_{3}$. **Chemical Purity / Assay: 98.0% to 101.0% (on a dry basis).** High-purity crystalline powder matrix compliant with Ph. Eur., FCC, and USP guidelines. Functions dynamically to lock magnesium inside cells.
- **Vitamin D (as cholecalciferol):** CAS No: 67-97-0. **Standardized Purity / Potency Assay: ≥ 100,000 IU/g** active Cholecalciferol load. Fine, micronized white powder matrix engineered for cold water dispersibility (≥90% at 60 mesh) to secure absolute formula integration.

4. Encapsulation System & Other Ingredients

Clean-label manufacturing profile containing zero synthetic lubricants, magnesium stearate, or artificial polymers:

- **Other Ingredients (Microcrystalline Cellulose):** Heweten® Grade (JRS Pharma, Germany). **Excipient Purity: 100% pure chemical alpha-cellulose** obtained through controlled acid hydrolysis of softwood biomass. Completely free from preservatives, coloring agents, or artificial starches (Zero parabens, BHT, or dairy derivatives).
- **Veggie Capsule Structure (Hypromellose):** Inprocaps Brand (Hypromellose E464). **Polymer Purity: Meets all strict safety parameters of the current EP, USP, JP, and EU directive (EC) 231/2012.** Formulated entirely from plant wood-cellulose fibers. Disintegration profile: ≤ 15 minutes. Manufactured under strict NSF-GMP validation protocols.

5. Impurities, Heavy Metals, & Microbiological Control Limits

Critical Parameter Target	US FDA / USP Specification Limits	Analytical Verification Methodology
Lead (Pb)	≤ 1.0 ppm (mg/kg)	ICP-MS (Mass Spectrometry)
Arsenic (As)	≤ 1.0 ppm (mg/kg)	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm (mg/kg)	ICP-MS
Mercury (Hg)	≤ 0.1 ppm (mg/kg)	ICP-MS
Total Plate Count (TAMC)	≤ 1,000 CFU/g	USP <2021> Standard Plate Agar

Critical Parameter Target	US FDA / USP Specification Limits	Analytical Verification Methodology
Total Yeast & Mold (TYMC)	≤ 100 CFU/g	USP <2021> Selective Culture Induction
Escherichia coli	Negative in 10g	USP <2022> Enriched Growth Validation
Salmonella spp.	Negative in 25g	USP <2022> Automated Enrichment Method
Staphylococcus aureus	Negative in 10g	USP <2022> Coagulase Test Matrix
Residual Solvents	Absent / Compliant	GC-MS (Headspace Gas Chromatography)

6. Comprehensive Allergen Screen & Regulatory Compliance Matrix

6.1. FALCPA Allergen Screening Profile

Regulated Allergen Class	Formula Presence	Analytical Evidence & Traceability Mapping
Gluten / Wheat derivatives	ABSENT	Certified Gluten-Free across all raw material input lines.
Crustaceans / Shellfish	ABSENT	No marine source structures utilized; 100% synthetic/mineral.
Egg and egg-derived fractions	ABSENT	Probiotic culture mediums strictly avoid aviar peptones or matrices.
Fish fractions / Marine proteins	ABSENT	Mineral-chelate matrices are synthetically pure and animal-free.
Peanuts & peanut oils	ABSENT	Processing facilities are completely isolated from legumes and nut oils.
Soybeans & soy fractions	ABSENT	Fermentation matrix for L. paracasei uses purely synthetic growth factors.
Milk / Dairy fractions (Lactose)	ABSENT	Probiotic strain is harvested dairy-free; suitable for lactose-intolerant usage.
Tree Nuts (Almonds, Walnuts, etc.)	ABSENT	Zero plant-nut materials present in the microcrystalline wood cellulose chain.
Sesame seeds and derivatives	ABSENT	No botanical seed interactions during production, handling, or packaging.

6.2. Bio-Chemical Integrity Declarations

SAFETY & COMPLIANCE TARGET	OFFICIAL ESTATUS	REGULATORY FRAMEWORK & SCIENTIFIC SPECIFICATIONS
GMO Status	GMO FREE (Non-GMO)	Complies with federal standards and (EC) 1829/2003. Probiotic carrier maltodextrin is entirely derived from non-modified corn matrices.
Ethylene Oxide (ETO)	ETO FREE	Validated 100% free from Ethylene Oxide gas decontamination or 2-Chloroethanol residual traces.
BSE / TSE Risk Profile	BSE / TSE FREE	No animal tissues are processed. Capsule shells are formulated entirely from plant-derived HPMC (cellulose ether polymer).
Irradiation Treatments	NON-IRRADIATED	Raw materials maintain biochemical integrity without exposure to ionizing or radioactive sterilization channels.
Nanomaterial Profiles	NANOMATERIAL FREE	Formula contains zero engineered nanoparticles or sub-micron dispersion technologies.
WADA Anti-Doping Limit	COMPLIANT	Contains zero compounds listed on the World Anti-Doping Agency Prohibited List. Safe for competitive athletic consumption.

7. Warnings, Suggested Use, & Expiration Dynamics

- **Suggested Use:** Take 2 capsules 30-60 minutes before bedtime on an empty stomach with a full glass of water.
- **Storage Conditions:** Keep tightly closed in a cool, dry place (store below 25 °C / 77 °F). Protect from direct light, excessive heat, and humidity.
- **Federal Warning Matrix:*** Consult your healthcare provider before use if you are pregnant, nursing, taking medication (especially bisphosphonates, antibiotics, diuretics, or medications for heart conditions), or have a medical condition (e.g., kidney disease). Magnesium may interact with certain medications or be contraindicated in renal impairment. Do not exceed the recommended dose. Keep out of reach of children. Not intended for use by persons under 18 years of age.
- *** 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

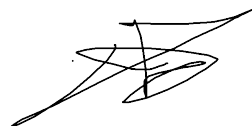
By signing below, it is formally certified that the audited chemical profiles, quantitative Percent Daily Values (% DV), and strict microbiological thresholds detailed in this specification document fully reflect the final product requirements for the United States marketplace.

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