



VitaNANO®

Nano Vitamins for Enhanced Bioavailability

Nano-Formulated Vitamins Enhancing Bioavailability with Microencapsulation

AstaMAZ NZ LTD

VitaNANO® is a premium New Zealand brand specializing in nano-formulated natural vitamins, including Vitamin A, E, D3, and CoQ10, derived from high-quality sources and processed using advanced microencapsulation technologies. Our eco-friendly methods ensure solvent-free, high-purity products with superior stability and absorption, ideal for nutraceuticals, supplements, and functional foods.

More Than Nutrients – Targeted Health Benefits:

Vitamins in VitaNANO® are essential micronutrients enhanced for optimal efficacy, backed by scientific research. Key benefits include:

- ✓ **Immune and Cellular Support:** Vitamin A and E act as antioxidants, boosting immune function and protecting cells from oxidative stress.
- ✓ **Bone and Metabolic Health:** Vitamin D3 promotes calcium absorption, supports bone density, and aids in metabolic regulation.
- ✓ **Energy and Heart Vitality:** CoQ10 enhances cellular energy production, supports cardiovascular health, and reduces fatigue.
- ✓ **Skin and Vision Wellness:** Vitamin A maintains skin integrity and vision; Vitamin E improves skin hydration and elasticity.
- ✓ **Overall Wellness:** All compounds promote antioxidant/anti-inflammatory, supports cognition/metabolism, fights environmental stress.



**non-GMO, vegan-compatible (where applicable),
and compliant with global clean-label standards
for markets like North America, EU, and Asia.**

Available in cold-water-soluble (CWS) powders and nano-emulsions with customizable concentrations, it ensures easy incorporation without altering product texture.

VitaNANO® nano vitamins are positioned as high-end raw materials for premium applications, emphasizing enhanced bioavailability through microencapsulation. As a New Zealand brand, it supports claims for "nano-boosted nutrient delivery" in dietary supplements, cosmetics, and foods, with flexible forms like starch-based or gum acacia carriers for optimal stability.



We provide **versatile concentrations** and **carriers** to align with your product goals, such as blends with additional stabilizers for extended shelf life.

Our formulations enable science-backed claims for your health products.

VitaNANO® 25-Hydroxyl Cholecalciferol

Product Name and Description	Form	Product Code	Content	Packing Size (kg)
Liquid 25-Hydroxyl Cholecalciferol 2.5% Liquid 25-Hydroxyl Cholecalciferol 2.5% is a homogeneous, free-flowing liquid feed additive containing 25-hydroxyl vitamin D3. The 25-hydroxyl vitamin D3, produced by chemical synthesis, is dissolved in vegetable oil and uniformly dispersed in this liquid matrix. The active ingredient is stabilized with butylated hydroxytoluene (BHT) and/or ethoxyquin.	Liquid	HC-25L	Min 2.5% (25mg/g)	5,25
25-Hydroxyl Cholecalciferol Premix 0.05% 25-Hydroxyl cholecalciferol premix 0.05% is a fine, free-flowing spray-dried powder of 25-hydroxyl vitamin D3, finely dispersed in a matrix of modified food starch and dextrin. The 25-hydroxyl vitamin D3 is stabilized with BHT and sodium ascorbate. The product also contains coconut oil and silicon dioxide.	Powder	HC-0050P	Min 0.05% (0.5mg/g)	5,25
25-Hydroxyl Cholecalciferol Premix 0.125% 25-Hydroxyl cholecalciferol premix 0.125% is a fine, free-flowing spray-dried powder of 25-hydroxyvitamin D3, finely dispersed in a matrix of modified food starch and dextrin. The 25-hydroxyl vitamin D3 is stabilized with BHT and sodium ascorbate. The product also contains coconut oil and silicon dioxide.	Powder	HC-0125P	Min 0.125% (1.25 mg/g)	5,25
25-Hydroxyl Cholecalciferol Crystal 25-Hydroxy cholecalciferol (25-Hydroxyvitamin D3) crystals, a feed additive, are produced via chemical synthesis using cholesterol-based materials as the starting raw material.	Powder	HC-94C	Min 94% (940mg/g)	5,25
25-Hydroxyl Cholecalciferol 100,000 IU CWS 25-Hydroxyl cholecalciferol 100,000 IU CWS consists of free-flowing particles. All-rac-alpha-tocopherol is added as an antioxidant. Silicon dioxide is used as a processing aid.	Powder	HC-100P	Min 100,000 IU (2.5mg) 25 hydroxyl vitaMin D3 (25 hydroxyl cholecalciferol) per gram	5,25
25-Hydroxyl Cholecalciferol 500,000 IU CWS 25-Hydroxyl cholecalciferol 500,000 IU CWS consists of free-flowing particles. All-rac-alpha-tocopherol is added as an antioxidant. Silicon dioxide is used as a processing aid.	Powder	HC-500P	Min 500,000 IU (12.5mg) 25 hydroxyl vitamin D3 (25 hydroxyl cholecalciferol) per gram	5,25

VitaNANO® Vitamins

Product Name and Description	Form	Product Code	Content	Packing Size (kg)
Vitamin A 1000, Feed Grade/ Vitamin A Acetate, Retinyl Acetate (Synonyms) Yellowish to brownish granular powder. Vitamin A acetate is incorporated in a matrix of gelatin and carbohydrates with anti-caking, stabilized with nature-like antioxidants.	Powder	VAA FEED-1000P	Min 1,000,000 IU Vit. A/ g.min. 344 mg/g of Vit. A acetate equivalent to 300 mg/g of retinol.	5,25
VitaMin A Acetate 325 CWS Stabilized with tocopherol, cold water dispersible. Based on gum acacia.	Powder	VAA-325P	Min 325,000 IU Vit. A/g, min. 112 mg/g of Vit. A Acetate equivalent to 97.5 mg/g of retinol	5,25
Vitamin A Acetate 500 CWS Based on starch, without antioxidants.	Powder	VAA-500P	Min 500,000 IU Vit. A/g, min. 172 mg/g of Vit. A acetate equivalent to 150 mg/g of retinol	5,25
Vitamin A Palmitate 250 CWS Stabilized with tocopherol, cold water dispersible. Based on fish gelatin.	Powder	VAP-250P	Min 250,000 IU Vit. A/g, min. 137.5 mg/g of Vit. A palmitate equivalent to 75 mg/g of retinol	5,25
Vitamin A Palmitate 500 CWS Stabilized with tocopherol, cold water dispersible. Based on fish gelatin.	Powder	VAP-500P	Min 500,000 IU Vit. A/g, min. 275 mg/g of Vit. A palmitate equivalent to 150 mg/g of retinol	5,25
Vitamin D3 100,000 IU CWS Stabilized with tocopherol, cold water dispersible	Powder	VD3-100P	Min 100,000 IU Vit. D3/g, min. 2.5 mg/g	5,25
Vitamin D3 500,000 IU CWS Stabilized with tocopherol, cold water dispersible.	Powder	VD3-500P	Min 500,000 IU Vit. D/g, min. 12.5 mg/g	5,25
Vitamin E 15% CWS/C Spray dried, cold water dispersible. Starch-based, crystal clear.	Powder	VE-15P	Min 15% all-rac- α -tocopheryl acetate	5,25
Vitamin E 50% CWS Spray dried, cold water dispersible. Starch-based.	Powder	VE-50P	Min 50% all-rac- α -tocopheryl acetate	5,25

VitaNANO® Coenzyme Q10

Product Name and Description	Form	Product Code	Content	Packing Size (kg)
Coenzyme Q10 5% NE Clear liquid emulsion.	Liquid	CQ-5NE	Min 5% of coenzyme Q10	1,5,25
Coenzyme Q10 10% CWS Beadlet, cold water dispersible.	Powder	CQ-10P	Min 10% of coenzyme Q10	5,25

* Main/active ingredient originating from natural materials. May contain formulation ingredients not matching "natural" definition.



1796B Great North RD, Avondale
 Auckland 1026, New Zealand
 +64 3 281 8588
 info@astamaz.com

AstaMAZ
 pure new zealand