



Shanghai Enviko Biotechnology Co., Ltd
Address: Room 207-2, No. 20 Jiafeng Road, China (Shanghai)
Pilot Free Trade Zone, Pudong District, Shanghai, China
Website: www.enviko-bio.com
Mobile (Whatsapp): +86 13918629532
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Shanghai Enviko Biotechnology Co., Ltd. is a cutting-edge health science company specializing in biosynthesis technology. By integrating advanced biotechnology with nutritional science, we produce high-purity, naturally derived health supplements and cosmetic ingredients. We believe premium nutraceuticals can empower people to achieve a healthier, more vibrant life.

Our Mission

To revolutionize global wellness through science-backed formulations that:

- ✧ Enhance immunity and resilience
- ✧ Prevent and address health concerns
- ✧ Deliver measurable quality-of-life improvements

Scientific Leadership

Our team of biotechnologists, fermentation engineers, and nutrition scientists pioneers:

- ✓ **Natural Bioactives**
 - ✧ Plant- and microbe-derived compounds via proprietary biosynthesis
 - ✧ 100% traceable ingredients with >95% purity
- ✓ **Breakthrough R&D**
 - ✧ Next-gen techniques like CRISPR-enhanced fermentation
 - ✧ Industry-leading bioavailability (e.g., 93% absorption rate for key actives)
- ✓ **Precision Wellness**
 - ✧ Custom formulations based on individual biomarkers
 - ✧ AI-driven dosage optimization

Onward to Infinity: New life, New future



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Bio-Manufacturing Product Catalogue

Part I: Pharmaceuticals & Bio-Active Ingredients

1.1 Pharmaceutical Intermediates & Raw Materials

Product Name	Specification	Key Applications
Long-Chain Dicarboxylic Acids (DC10-DC18)	Industrial/Pharmaceutical Grade	High-performance nylon, hot melt adhesives, fragrances
6-APA	Pharmaceutical Grade	Penicillin antibiotic intermediate
7-ACA	Pharmaceutical Grade	Cephalosporin antibiotic intermediate
L-Alanine	Food/Pharmaceutical Grade	Amino acid infusions, food additives
L-Valine	Pharmaceutical Grade	Amino acid infusions, nutritional supplements
Glutamine	Pharmaceutical Grade	Intestinal nutritional support



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1.2 Bio-Active Ingredients

Product Name	Purity	Core Efficacy
Alpha-Bisabolol	≥95%	Anti-inflammatory, soothing, skin repair
Ergothioneine	≥98%	Antioxidant, anti-photoaging
Ectoine	≥99%	Cell repair, moisturization
Squalene/Squalane	≥99%	Moisturizing, skin barrier repair
Hyaluronic Acid	Cosmetic/Food/Medical Grade	Moisturization, joint lubrication, ophthalmic surgery
Recombinant Humanized Collagen	Type III/Type I	Skin repair, medical implant materials
5-HTP (5-Hydroxytryptophan)	≥98%	Mood regulation, sleep aid
Inositol	≥98%	Vitamin B complex, liver protection



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Part II: Bio-Based Materials & Chemicals

2.1 Bioplastics & Polymers

Product Name	Form	Application Fields
PHA Series	Pellets, Powder	Biodegradable packaging, medical implants, 3D printing
Bio-Based Polyamide	Chips, Fiber	Textiles, engineering plastics, automotive parts
Polylactic Acid (PLA)	Pellets, Fiber	Packaging materials, textiles, medical devices
Bio-Based Pentamethylenediamine	Liquid	Nylon 56, epoxy curing agent

2.2 Bio-Based Chemicals

Product Name	Production Scale	Main Uses
1,3-Propanediol (PDO)	10,000-ton scale	PTT fiber, cosmetic humectant
Succinic Acid	10,000-ton scale	PBS biodegradable plastic, food acidulant
Bio-Based Sebacic Acid	Commercial scale	Nylon, polyester, lubricants

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Part III: Food Nutrition & Additives

3.1 Sugar Alternatives & Sweeteners

Product Name	Sweetness Multiple	Calories
Erythritol	0.65x	0 kcal/g
Allulose	0.7x	0.4 kcal/g
Steviol Glycosides	200-300x	0 kcal/g
Mogroside Extract	300x	0 kcal/g

3.2 Nutritional Fortifiers

Product Name	Source/Process	Function
ARA Oil (Arachidonic Acid)	Microbial fermentation	Infant brain development
DHA Oil (Docosahexaenoic Acid)	Algae cultivation	Brain health, vision protection



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Product Name	Source/Process	Function
Beta-Carotene	Fermentation	Vitamin A precursor, natural pigment
Astaxanthin	Haematococcus pluvialis	Antioxidant, aquaculture feed
Human Milk Oligosaccharides (HMOs)	Microbial fermentation	Gut microbiota modulation, immunity

3.3 Alternative Proteins

Product Name	Protein Content	Features
Mycoprotein (Fungal)	≥40%	High protein, balanced amino acids
Yeast Protein	40-60%	Complete nutrition, fermented flavor
Algal Protein	30-70%	Sustainable, contains Omega-3

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Part IV: Agriculture & Environmental Products

4.1 Agricultural Biologicals

Product Name	Mode of Action	Target Crops
Microbial Inoculants	Nitrogen fixation, phosphorus solubilization, growth promotion	Field crops, cash crops
Seaweed Biostimulants	Contains active compounds, promotes growth	Fruits, vegetables, cash crops
Amino Acid Water-Soluble Fertilizer	Small molecules, easy absorption	Foliar spray, drip irrigation

4.2 Environmental & Energy Products

Product Name	Feedstock	Application
Biodiesel	Waste oil, microalgae oil	Transportation fuel, industrial fuel
Biogas	Organic waste	Power generation, heating, vehicle fuel



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Part V: Enzymes & Biocatalysts

Product Name	Enzyme Activity	Application Industries
Industrial Enzymes	Customized	Feed, food, textile, paper
Pharmaceutical Enzymes	High Purity	Chiral synthesis, biotransformation
Food Processing Enzymes	Food Grade	Baking, brewing, juice clarification

Part VI: Services & Specifications

6.1 Standard Product Specifications Reference

Parameter Category	Test Item	Analytical Method	Standard Range
Physicochemical	Content/Purity	HPLC/GC	≥95.0% - 99.9%
Microbiology	Total Plate Count	Plate Count	≤1000 CFU/g
Heavy Metals	Pb, As, Hg	ICP-MS	Complies with industry standards

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Parameter Category	Test Item	Analytical Method	Standard Range
Solvent Residue	Methanol, Ethanol	GC-FID	≤5000 ppm

6.2 Technical Services

Service Name	Service Content	Lead Time
Custom Strain Development	Gene editing, metabolic engineering	3-6 months
Process Package Transfer	Complete production process documentation	6-12 months
CDMO Production	Production from gram to ton scale	Customized
Pilot Scale-up Services	50L - 5000L fermentation verification	2-4 months

Product Search Index

Search by Application:

Skincare & Cosmetic Ingredients: Alpha-Bisabolol, Ergothioneine, Ectoine, Hyaluronic Acid, Recombinant Collagen, Squalane

Food & Beverage Additives: HMOs, Allulose, Erythritol, Beta-Carotene, DHA/ARA Oils

Pharmaceuticals & Healthcare: Amino Acids, Antibiotic Intermediates, 5-HTP, Inositol, NMN

Green Packaging Materials: PHA, PLA, Bio-Based Polyamides

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Agricultural Inputs: Microbial Inoculants, Seaweed Biostimulants, Amino Acid Fertilizers

Industrial & Energy: Biodiesel, 1,3-Propanediol, Long-Chain Dicarboxylic Acids

Ordering & Contact Information

Quality Commitment:

All products come with complete COA (Certificate of Analysis)

Compliance with ISO9001, ISO22000, GMP quality standards

Customized product specifications available

Sample Requests:

R&D institutions eligible for ≤100g free samples

Corporate clients: large-size samples available

Bulk Orders:

Minimum Order Quantity: 500kg for standard products

Lead Time: 7-15 working days for standard products

Custom Products: 30-90 working days

Technical Support:

Product application solutions

Process optimization assistance

Joint R&D cooperation

Global Supply:

Export documentation support

Compliance with destination country regulations

Delivery to major global ports

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