

CABIO 嘉必优®

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CABIO 嘉必优®

嘉必优生物技术(武汉)股份有限公司

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脂质营养与健康

全球 ARA、DHA、唾液酸、天然β-胡萝卜素供应商
20 years of natural ARA, DHA, SA and β-carotene supplier worldwide



嘉必优葛店工厂 | CABIO's Gedian Factory



嘉必优江夏工厂 | CABIO's Jiangxia Factory

嘉必优生物技术(武汉)股份有限公司

嘉必优生物技术(武汉)股份有限公司(简称嘉必优)以生物技术为立足之本,集成工业菌种定向优化技术、发酵精细调控技术、高效分离纯化制备技术,通过可持续的微生物合成制造方式,为全球营养与健康领域的客户提供高品质的营养素产品与创新的解决方案。

公司专注于多不饱和脂肪酸 ARA、藻油 DHA 及 SA、天然 β -胡萝卜素等多个生物合成营养素产品的研发、生产与销售20年。产品广泛应用于婴幼儿配方食品、膳食营养补充剂和健康食品、特殊医学用途配方食品等领域。

2019年12月19日,嘉必优成功登陆中国科创板市场,是食品生物科技领域第一个登陆该市场的科技创新型企业。

“提供安全、健康和高质量的营养素产品和富有价值的解决方案,通过营养调节的方式促进公众健康”是嘉必优的企业使命。

嘉必优将坚持以技术创新为核心驱动力,聚焦于营养与健康领域,不断提升国际化运营能力、积极参与全球竞争,为更多区域和领域的客户提供创新的天然生物合成营养素产品和解决方案,发展成为具有全球竞争力的科技创新型生物技术企业。

CABIO 嘉必优®

CABIO Biotech (Wuhan) Co., Ltd.

CABIO Biotech (Wuhan) Co., Ltd (short for “CABIO”) is a biotechnology-based company which combines technologies such as targeted optimization of industrial strains, precisely regulated fermentation and efficient separation and purification. Through sustainable microorganism fermentation, CABIO provides customers from nutrition and health industry worldwide with quality nutrient products and innovative solutions.

The Company has been focusing on R&D, manufacturing and sale of polyunsaturated fatty acid ARA, algal DHA oil, SA, natural-sourced β -carotene and other microorganism-fermented nutrient products for 20 years. Its products are widely applied in infant formula food, dietary supplements, healthy food, formula food for special medical purposes and other products.

On December 19, 2019, CABIO had its IPO on China's Star Market successfully. It was the first food biotechnology company had its IPO on this Market as a high-tech based company.

“Providing safe, healthy and quality nutrient products and valuable solutions for customers and promoting public health through nutritional regulation” is always CABIO's corporate mission.

CABIO will continue to focus on nutrition and health industry with technological innovation as the core driving force, constantly improve its operation level to international standard and actively participate in global competition so as to become a globally competitive biotechnology company featuring technological innovation which provides innovative natural-sourced nutrition products and solutions for customers from more regions and areas.



嘉必优®ARA——国际水准 领跑产业

嘉必优ARA（花生四烯酸、二十碳四烯酸）是基于生物合成技术获得的一种 ω -6多不饱和脂肪酸，是人体生长和发育所必需的脂肪酸之一，对促进婴幼儿大脑和神经系统发育具有重要的作用。

嘉必优ARA在中国同类产品中率先通过欧盟Novel food和美国FDA GRAs的审核，已获得了国内外众多顶级婴幼儿配方食品厂商的认可和使用的。

嘉必优ARA包括油脂和微胶囊粉剂两个产品系列。主要应用于婴幼儿配方食品、健康食品及膳食营养补充剂等领域，常应用于液体乳、酸奶、含乳饮料等多种健康食品。

产品适用于各种生产工艺，并具有良好的稳定性和滋气味，为应用产品带来可靠的货架期和风味体验。其中，粉剂产品可以提供全乳、无乳、全植物、无糖等定制配方，满足有机食品、素食、特殊医学食品（无过敏配方）和羊乳配方奶粉等品类的需求。

CABIO ARA

Industrial pioneer of international standard

CABIO ARA (arachidonic acid or eicosatetraenoic acid) is an omega-6 polyunsaturated fatty acid obtained through biosynthetic technology. It is one of the essential fatty acids for human growth and development which plays an important role in the development of children's brain and nervous systems.

CABIO ARA was the first among same type of products in China approved by EU as Novel food and GRAs by US FDA. It has been approved and used by many top infant formula food manufacturers at home and abroad.

CABIO ARA has two product forms: oil and microcapsule powder. They are mainly applied in the fields of infant formula food, healthy food and dietary supplements, and they are often used in various healthy food such as liquid milk, yogurt and milk beverages.

The products are suitable for various production processes with good stability and flavor, bringing reliable shelf life and flavor to the applied products. The powder products can be provided in customized formulas for special applications such as whole milk, dairy-free, whole vegetarian, and sugar-free products, to meet the needs of organic food, vegetarian food, special medical food (non-allergic formula) and goat milk formula powder, etc.

ARA



嘉必优® DHA藻油——黄金品质 应用无限

嘉必优DHA（二十二碳六烯酸）藻油是利用单细胞藻类合成的一种 ω -3多不饱和脂肪酸，对促进婴幼儿智力和视力发育、成人脑功能健康、心血管健康、生理代谢及内分泌平衡具有重要的作用。相对于其他来源DHA，嘉必优DHA藻油生产全过程均处密闭、洁净环境中，已经通过了美国FDA GRAS的审核，具有食品安全和质量可控、可追溯、产出不受资源限制等优势，是一种绿色、可持续的供应链方式。

嘉必优DHA藻油是一种健康的“素”油脂，鉴于不同文化背景下消费者对于油脂类产品的食用限制，嘉必优DHA是替代鱼油类DHA产品的一种完美解决方案。

嘉必优DHA藻油包括油脂、微胶囊粉剂和藻粉三个产品系列。其中，油脂和微胶囊粉剂主要应用于婴幼儿配方食品、膳食补充剂和健康食品等领域，常应用于乳粉、液体乳、食用调和油、糖果及巧克力、含乳饮料、烘焙食品、加工肉制品等健康食品，以提升其健康价值。

藻粉主要应用于动物营养领域，通过动物富集的方式提升鱼、蛋、奶价值，并提供一种可持续的 ω -3供应链解决方案。

CABIO DHA algal oil

Premium quality for numerous applications

CABIO algal DHA (docosahexaenoic acid) oil is an omega-3 polyunsaturated fatty acid synthesized by single-cell algae, which is vital for infant mental and vision development, adults' brain function health, cardiovascular health, physiological metabolism and endocrine balance. Compared to other sources of DHA, the entire production process of CABIO algal DHA oil is implemented in a closed and clean environment which has passed the US FDA GRAs review. With strengths like controllable food safety and quality, traceability and no restriction of resource, CABIO has a green and sustainable supply chain.

CABIO algal DHA oil is a healthy "vegetarian" oil. As consumers from different cultural backgrounds have different requirements regarding the consumption of oil products, CABIO DHA is a perfect alternative to fish oil DHA products.

CABIO algal DHA oil has three product forms: oil, microcapsule powder and algal biomass powder. Among them, oils and microcapsule powder are mainly applied in infant formula food, dietary supplements and healthy food. They are often used in milk powder, liquid milk, blended cooking oil, confections and chocolates, milk beverages, baked food, processed meat products and other healthy food to enhance the health value.

Algal biomass powder is mainly applied in the field of animal nutrition to enhance the nutritional value of fish, eggs, and milk through animal enrichment. It is a good option for a sustainable omega-3 supply chain solution.

DHA



嘉必优®天然β-胡萝卜素——缤纷色彩 天然活力

嘉必优β-胡萝卜素是通过生物合成方式获得的一种高纯度、具有天然提取物属性的类胡萝卜素产品，为“追求天然色素和天然食品配料”提供了一个良好的解决方案。

嘉必优β-胡萝卜素分为健康功能性食品配料和天然着色剂两个系列，有晶体（96%）、油悬液（30%）、微粒（10-20%）、干粉（1%）和乳化液（1-5%）等产品形态。

作为健康食品配料，发酵来源β-胡萝卜素是一种安全的维生素A源，能在机体内补充维生素A、抗氧化、保持细胞活力的健康作用，常以软胶囊、硬胶囊、压片等形式应用于膳食补充剂和健康产品领域，常应用于婴幼儿配方食品和其它营养强化食品。

作为天然着色剂，β-胡萝卜素可以提供从紫红色到黄绿色的丰富色彩，常被应用于果汁饮料、特种食用油脂、面制品和烘焙食品。同时，嘉必优独特的解决方案可以保障在不同应用体系中的呈色稳定性。

CABIO's natural sourced β-carotene

Rich colors and natural vitality

CABIO's β-carotene is a carotenoid product with the features of high purity and natural extract obtained through biosynthesis. It is a good solution for "the pursuit of natural pigments and natural food ingredients".

CABIO's β-carotene has two forms: healthy functional food ingredients and natural colorants in the form of crystals (96%), oil suspension (30%), beadlets (10-20%), dry powder (1%) and emulsion (1-5%).

As a healthy food ingredient, β-carotene from fermentation is a safe source of vitamin A, which can increase the amount of vitamin A in the body, resist oxidation, and maintain cell vitality. It is often used in the field of dietary supplements and health products in the form of soft capsules, hard capsules and compressed tablets as well as applied to infant formula food and other nutritionally fortified food.

As a natural coloring agent, β-carotene enables rich colors from purplish red to yellowish green, it is often used in juice, special cooking oil, pasta products and baked food. At the same time, CABIO's unique solution ensures the stability of color rendering in different applications.

β-carotene



嘉必优®燕窝酸——母爱菁华 延续传统

燕窝酸的化学名是N-乙酰神经氨酸，是母乳中人乳低聚糖的组分之一，也是传统高端滋补品食品——燕窝的特征性功效成分。

燕窝酸能有效促进神经细胞、上皮细胞、免疫细胞的发育和功能修复，具有提高免疫力、促进智力发育和滋补养颜、延缓衰老的功效。

嘉必优燕窝酸是由嘉必优控股子公司武汉中科光谷绿色生物技术有限公司联合中国科学院共同研制，采用发酵技术生产的一种安全、优质的新食品原料。作为一种新兴的功能性成份，燕窝酸在婴幼儿配方食品、保健食品、高滋食品和化妆品领域有良好的应用前景。嘉必优燕窝酸产品将进一步促进婴配食品靠近“母乳黄金标准”。

CABIO sialic acid

Maternal love, continuous tradition

The chemical name of sialic acid (commonly known as bird's nest acid) is N-acetylneuraminic acid. It is one of the components of human milk oligosaccharides in breast milk, and it is also the characteristic functional component of traditional high-end tonic food—bird's nest.

Bird's nest acid can effectively promote the development and functional repair of nerve cells, epithelial cells and immune cells, this make it has the effects of improving immunity, promoting brain development, nourishing skin, and anti-aging.

Jointly developed by Wuhan Zhongke Optics Valley Green Biotechnology Co., Ltd. -a substantially owned subsidiary of CABIO- and the Chinese Academy of Sciences, CABIO's bird's nest acid is a safe and high-quality new raw material for food as it is produced with fermentation technology. As an emerging functional ingredient, bird's nest acid has good application prospects in the fields of infant formula food, healthy food, high nutrition food and cosmetics. CABIO's bird's nest acid products will bring the infant formula food closer to the "gold standard of breast milk".

sialic acid



市场与服务

作为中国ARA产业的拓荒者，嘉必优为ARA在中国市场的推广和应用做出了重要的贡献，并与国内主要应用厂商均建立了长期的战略合作伙伴关系，占据了国内第一的市场份额。

嘉必优建立了覆盖全球的营销和服务网络，并已通过了多家知名跨国食品企业的食品安全审核和质量验证，被纳入其全球供应链系统。

嘉必优努力为全球食品厂商提供多种形式的价值分享，不仅包括产品解决方案，还包括技术研讨、法规和市场趋势交流、联合开发以及新产品推广等。

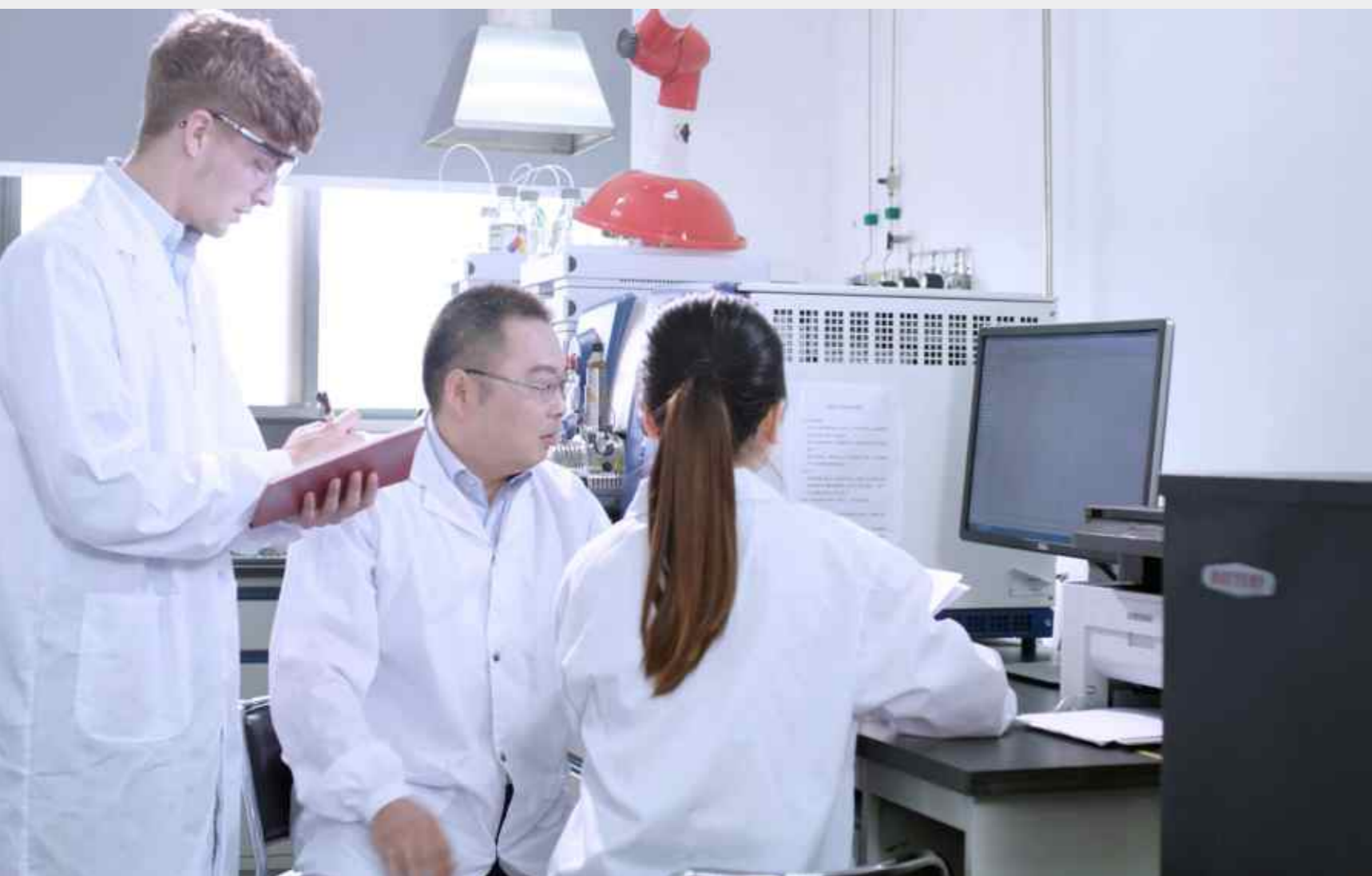
嘉必优在以下领域提供有竞争力的产品解决方案：
婴幼儿配方食品、儿童营养食品、功能性保健食品和膳食补充剂、食用油和特种油脂、烘焙食品、糖果、果汁饮料.....

Market & service

As the pioneer of ARA industry in China, CABIO has made a great contribution to the promotion and application of ARA in Chinese market. CABIO has established long term strategic partnership with most domestic manufacturers and held the largest market share in China. CABIO has established Marketing and service network of global coverage and passed food safety audit and quality verification by many famous multinational enterprises, and has been integrated into their global supply chain system.

CABIO spares no efforts to share its value with global food manufacturers in various ways, not only product solution, but also technical seminars, communication of regulatory compliance and market trend, joint development and promotion of new products.

CABIO provides competitive product solutions in the following fields: Infant formula food, nutritional food for children, functional healthcare food and dietary supplements, cooking oil and special oil, baked food, confection, juice etc.



技术与研发

嘉必优是中国微生物油脂工业化生产的领先企业，建成了完善的生物合成营养素产业化平台，该项目被国家相关部门鉴定为“国内首创、国际领先”。公司参与的“功能性脂质制备”技术在2014年获得湖北省科技进步奖一等奖，2016年获得国家科技进步二等奖。

嘉必优在微生物油脂领域拥有多项专利，是国家863科技攻关计划（2014年）“花生四烯酸发酵生产关键技术创新及工艺集成”项目的承担单位，以及“二十二碳六烯酸发酵生产的关键技术创新及产业化”项目的参与单位。2013年嘉必优研发中心被认定为“湖北省营养化学品生物合成工程技术研究中心”，2015年嘉必优参与成立了“湖北省生物制造产业技术创新联盟”。

Technology and R&D

CABIO is a leading enterprise in industrial production of microbial oils in China. It has set up a comprehensive industrialization platform for fermented nutrients. This project was evaluated by state authorities as “domestically original and international advanced”. The technology of “functional lipid production” of which the Company participated in the development has won the first prize of Scientific and Technological Progress Award of Hubei Province in 2014, in the year of 2016, CABIO was awarded the second prize for National Technology Progress.

CABIO possesses dozens of patents in the field of microbial oil, it is the enterprise undertaking the National High-Tech Research and Development Program of China (863 Program in 2014) for “innovation of key technology and integration of processes for ARA fermentative production”, as well as a participant of “innovation and industrialization of key technology for DHA fermentative production” project. In 2013, CABIO’s R&D Center was certified as “Hubei Provincial Technical Research Center for Biosynthesis Engineering of Nutrient Chemicals”; in 2015, CABIO participated in the founding of “Hubei technical innovation alliance of biological manufacturing industry”.



食品安全和质量管理

食品安全是嘉必优企业伦理的道德基石，嘉必优始终坚持执行全球最严格的食品安全标准，来保障客户和消费者的根本利益。

嘉必优追踪全球在质量管理和食品安全方面最新要求和前沿技术，以ISO9001:2015、ISO22000:2018、GMP为基础、吸收了众多国际著名婴幼儿奶粉厂商的丰富经验，建立了严格的质量和食品安全管理体系，并在国内同行中率先通过了满足全球最高食品安全要求的FSSC22000管理体系认证。

嘉必优领衔起草了《食品安全国家标准 食品添加剂 花生四烯酸油脂（发酵法）》和《食品安全国家标准 食品添加剂 二十二碳六烯酸油脂（发酵法）》。

嘉必优ARA油脂在中国同类产品中率先通过欧盟Novel food和美国FDA GRAs审核，同时获得了KOSHER（OU洁食认证）、HALAL（MUI清真食品认证）等认证，能满足不同习惯消费者对产品的要求。

Food safety & Quality assurance

Food safety is CABIO's ethical cornerstone. CABIO persists in the strictest international food safety standards to safeguard the fundamental interest of customers and consumers.

CABIO is constantly following the latest requirements and frontier technologies in quality control and food safety. With ISO9001:2015, ISO22000:2018 and GMP as the basis, CABIO has introduced rich experience from a lot of famous international infant formula manufacturers, established strict quality and food safety management systems, and taken the lead in passing the certification of FSSC22000 management system that is the most stringent in the world among domestic counterparts. It drew upon rich experience from world famous infant milk manufacturers and established its strict quality and food safety management system. It passed FSSC22000 management system certification-the world's highest food safety standard-as the first company of its kind in China.

CABIO led the compiling of National Food Safety Standard for Uses of Food Additives-ARA (fermentation) and National Food Safety Standard for Uses of Food Additives-DHA (fermentation).

CABIO ARA oils are the first Chinese products certified by EU as Novel Food and GRAS by American FDA. CABIO ARA has got KOSHER(OU certification) and HALAL(MUI Muslim food certification)as well, which make it meets requirements of consumers of different habits.



企业责任

健康、安全、环保是嘉必优的核心价值主张。

嘉必优以现代生物工程技术核心技术，利用可再生的原料进行工业化生产，能最大限度地减少对土地和自然资源的占用，提供一种可持续的健康营养解决方案。

另外，其产品不仅在质量上优于传统化学合成的产品，还更好的满足和促进了消费者对天然、环保的追求。

嘉必优遵循ISO14001和ISO45001的要求，并实施能源消耗和“零污染”排放的严格措施。嘉必优的诚信管理体系符合《食品工业企业诚信管理体系》国家标准，多次被授予“环境友好优秀企业”、“安全生产示范企业”等荣誉。

同时，嘉必优致力于成为一个员工满意、社区认可的优秀企业公民，成立了“嘉必优关爱基金”，并开展了一系列与教育、环保、健康、赈灾等相关的公益活动。

Corporate responsibility

Being healthy, safe and environmentally friendly is always CABIO's core value.

With modern bioengineering technologies and renewable raw materials for industrial production, CABIO can minimize the use of land and natural resources and provide sustainable healthy nutrient solutions.

In addition, CABIO's products are not only better than traditional chemosynthetic products in quality, but also better meets and promotes the demand of consumers for natural and nonpolluting products.

Following the requirements of ISO14001 and OHSAS18001 and implementing stringent measures for low energy consumption and “zero pollutant” emission, CABIO has been awarded many honors including “environmental-friendly model enterprise” and “safe production demonstration enterprise”.

Moreover, CABIO dedicates itself to being an excellent corporate citizen which is enjoyable to employees and recognized by the community; CABIO has established “CABIO Care Foundation”, by which many nonprofit activities such as education support, environmental protection, health and relief of the disaster-stricken victims are organized.



我们的战略

未来50年甚至更长的时间，“营养与健康”将是世界发展的决定性大趋势之一，嘉必优将不断通过技术创新，捕捉全球大趋势所创造的机会，促进业务发展。

嘉必优将以生物技术为立足之本，为全球婴儿配方食品及健康食品厂商提供专业、安全和高品质的营养素产品和解决方案，旨在通过营养调节的方式促进公众健康，成为一家技术领先、全球运营、可持续发展的生物技术公司。

CABIO's strategy:

In the coming 50 years or even longer time, "nutrition and health" will become crucial megatrends in global development; CABIO will seize the opportunity of global megatrends and promote business development through continuous technological innovation and business model innovation;

With biotechnology as our pillar, CABIO will be offering global infant formula food and healthy food companies professional, safe and quality nutrient products and solutions. Through promoting public health via nutrition regulation, it aims at becoming a biotechnology company of advanced technology, global operation and sustainable development.



我们的愿景、使命与目标

愿景：成为一家技术领先、全球运营、可持续发展的生物技术公司。

使命：提供安全、健康和高质量的营养素产品和富有价值的解决方案，通过营养调节的方式促进公众健康。

公司所有的活动都旨在成为值得客户信赖的合作伙伴和优秀的企业，并为用户、员工、股东和社区创造独特的价值。

目标：以技术创新为核心驱动力，聚焦于营养与健康领域，不断提升国际化运营能力、积极参与全球竞争，为更多区域和领域的客户提供创新的天然生物合成营养素产品和解决方案，发展成为具有全球竞争力的科技创新型生物技术企业。

CABIU's vision, mission and objective

Vision: To become a biotechnology company of advanced technology, global operation and sustainable development.

Mission: We provide safe, healthy and high quality nutrients and valuable solutions and aim to promote public health by means of nutritional regulation. All of our activities are aimed at becoming a reliable partner of our customers and an excellent company, providing unique values to users, employees, shareholders and community.

Objective: Driven by technology innovation, we focus on nutrition and health, continuously promote international operational capability, actively participate in global competition, and try to provide our customers from more regions and industries with innovative, natural biosynthetic nutrients and solutions, and become a technological innovative biotech company of global competence.

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