

**实验室(上海)**

上海市闵行区浦江镇召楼路3576号3号楼  
邮编: 201112

**实验室(北京)**

北京市海淀区双清路3号中太大厦32013, 32015室  
邮编: 100085

**实验室(青岛)**

山东省青岛市高新区华贯路819号6号楼105-106户  
邮编: 266114

**实验室(宁波)**

浙江省宁波市高新区光华路299弄16号C7幢  
邮编: 315040

**实验室(成都)**

四川省成都市成龙大道1666号经开科技孵化园B1栋1号楼  
邮编: 610015

**实验室(渭南)**

陕西省渭南市高新技术产业开发区中国酵素城7号楼  
邮编: 714019

**实验室(广州)**

广东省广州市黄埔区源祥路20号3栋3楼  
邮编: 510535

**Lab (Shanghai)**

No.3, 3576 Zhaolou Road, Pujiang Town  
Minhang District, Shanghai, 201112, P.R.C.

**Lab (Beijing)**

Room 32013, 32015 Zhongtai Tower, No.3, Shuangqing Road  
Haidian District, Beijing, 100085, P.R.C.

**Lab (Qingdao)**

Building 6-105/106, 819 Huaguan Road, High-Tech Zone,  
Qingdao, Shandong Province, 266114, P.R.C.

**Lab (Ningbo)**

C7 Building, No.299 Guanghua Road, High-Tech Park,  
Ningbo, Zhejiang Province, 315040, P.R.C.

**Lab (Chengdu)**

No.1, Building B1, Jingkai Science Incubation, Park, No.1666,  
Chenglong Avenue, Chengdu, Sichuan Province, 610015, P.R.C.

**Lab (Weinan)**

No 7, China Enzyme City, Hi-Tech Industrial Development Zone,  
Weinan, Shaanxi Province, 714019, P.R.C.

**Lab (Guangzhou)**

3<sup>rd</sup> Floor, No.3 Building, 20 Yuanxiang Road, Huangpu District,  
Guangdong Province, 510535, P.R.C.



Better Food. Better Health. Better World.

梅里埃营养科学(中国)

Mérieux NutriSciences China

Hotline: 400-645-8088

E-mail: sales.china@mxns.cn

www.merieuxnutrisciences.com.cn



从农田到餐桌  
全链条检测监控服务

From Farm to Fork  
Full-Chain  
Testing and Monitoring Service

Better Food. Better Health. Better World.

# 目录 CONTENTS



- Leveraging 50+ years of expertise in **Food Safety, Quality & Sustainability**.
- A 360° approach to provide **high-value, science-based solutions** at every stage of the **food value chain**.

关于我们 About Us

01

测试服务 Testing Solution Service

03

● 农业科学分析服务	Agricultural Scientific Analysis	05
● 微生物测试服务	Microbiology	07
● 农药残留测试服务	Pesticide Residue	09
● 兽药残留测试服务	Veterinary Drug Residue	11
● 生物毒素测试服务	Biotoxin	13
● 污染物测试服务	Contaminant	15
● 非法添加药物测试服务	Illegal Additives	17
● 转基因成分测试服务	GMO	19
● 动植物源性成分测试服务	Animal & Plant-Derived Component	21
● 过敏原测试服务	Allergens	23
● 营养分析 & 食品标签制作及审核	Food Nutrition & Label Review and Design	25
● 食品添加剂测试服务	Food Additives	27
● 食品接触材料测试服务	Food Contact Material	29

安全 / 质量 / 可持续发展 Safety / Quality / Sustainability

31

## 关于我们

梅里埃营养科学成立于1967年，总部设在法国，致力于引领全球公众健康事业，是全球领先的食品安全、质量和营养服务提供商。与世界领先的食物及饮料企业拥有50多年的全球合作经验，在32个国家拥有140多家实验室，并在美国、加拿大、意大利、法国、巴西以及中国开设了6家专业研发中心，员工人数超过10,000人。

梅里埃营养科学(中国)，专注于为食品质量安全与营养领域提供解决方案。拥有上海、北京、青岛、宁波、成都、渭南、广州等多家实验室，员工人数超过8000人，并有分布于主要城市的业务和审核团队，为中国乃至亚洲市场提供高质量的检测、审核、咨询、培训和合同研究等多元化服务，为全球食品产业链提供一站式解决方案。

梅里埃营养科学(中国)实验室拥有多项国际及国内认证认可资质，包括：

- 检验检测机构资质认定 (CMA)
- 农产品质量安全检测机构 (CATL)
- 韩国食药局 (MFDS) 批准国外检测实验室
- 谷物和饲料贸易协会 (Gafta) 批准检验机构
- 职业健康安全管理体系认证 (ISO 45001)
- 巴西认可总协会 (CGCRE INMETRO) 实验室认可 (CGCRE ISO17025)
- 中国合格评定国家认可委员会实验室认可 (CNAS ISO17025)
- GMP\* FSA (饲料安全保证) TS 4.2注册实验室
- 巴西农牧业部 (MAPA) SISCOLE 系统注册批准国外实验室
- 质量管理体系认证 (ISO 9001)
- 环境管理体系认证 (ISO 14001)

作为全球分析服务的领导者，梅里埃营养科学(中国)遵循集团严格的质量保证体系，通过运用全球统一的创新、优质服务体系确保整个实验室网络提供一流的服务和可信赖的检测结果。

50

多年的历史

32

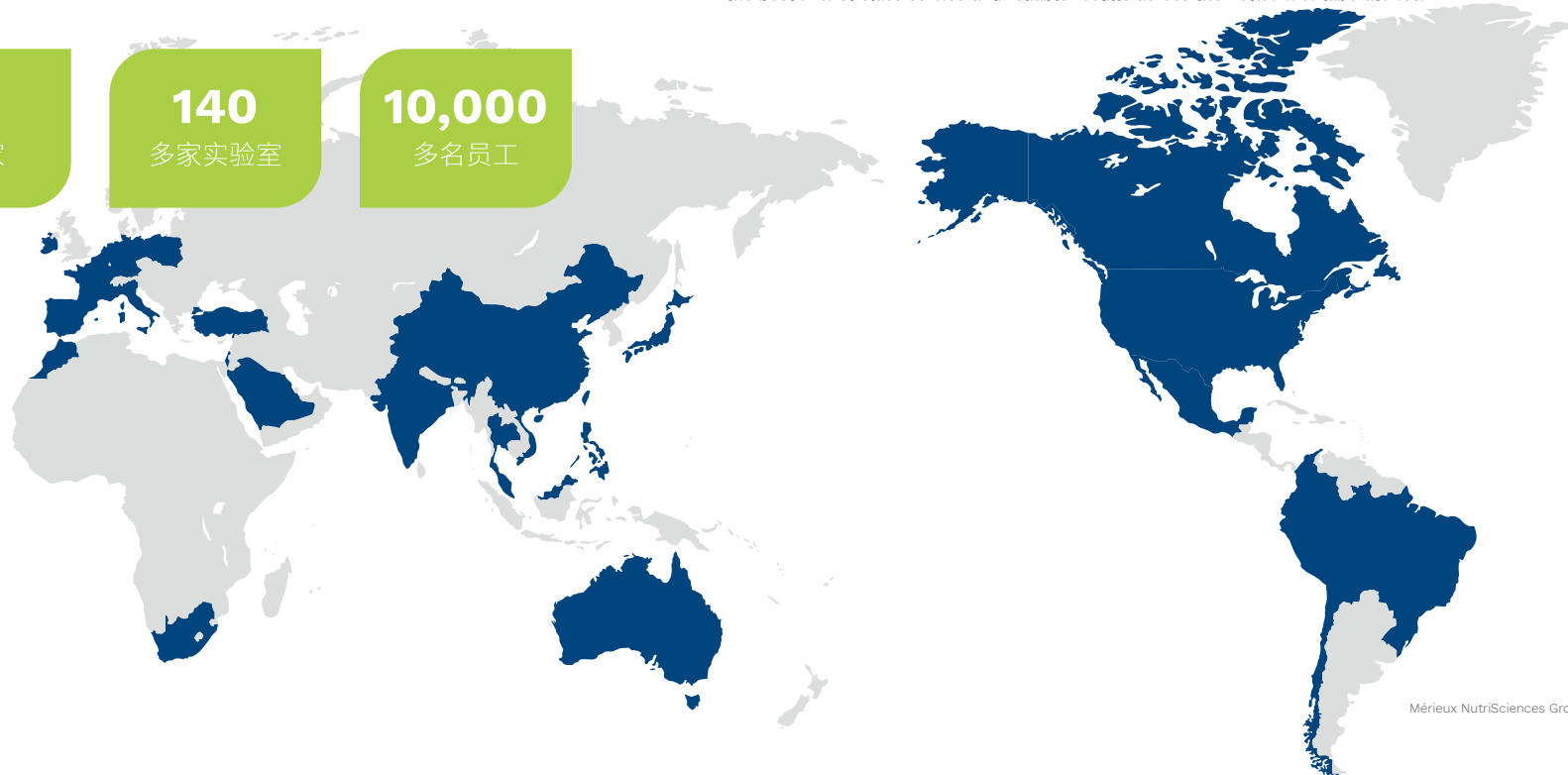
个国家

140

多家实验室

10,000

多名员工



## ABOUT US

Established in 1967, headquartered in France, as a leading worldwide provider of food safety, quality and nutrition service, Mérieux NutriSciences is dedicated to advancing global public health and has over 50 years of experience working with leading food and beverage companies throughout the world. Mérieux NutriSciences has over 140 laboratories in 32 countries, in addition 6 R&D centers in the US, Canada, Italy, France, Brazil and China, more than 10,000 employees.

Mérieux NutriSciences China focuses on food safety, quality and nutrition to provide solutions. It operates multiple laboratories in China, including Shanghai, Beijing, Qingdao, Ningbo, Chengdu, Weinan and Guangzhou. We have a dedicated team of 800+ employees, and an extensive network of business and audit teams covering major cities. We deliver high-quality, diversified services such as testing, auditing, consulting, training and contract research to the Chinese and Asian markets, providing one-stop solutions for the global food industry chain.

Mérieux NutriSciences China laboratories maintain multiple international and domestic accreditation and certification, includes:

- China National Accreditation Service for Conformity Assessment Laboratory Accreditation (CNAS ISO17025)
- China Inspection Body and Laboratory Mandatory Approval (CMA)
- China Agri-product Testing Laboratory (CATL)
- GMP\*
- MFDS
- Gafta
- MAPA-SISCO LE
- CGCRE ISO17025
- ISO 9001
- ISO 45001
- ISO 14001

As a leader in global analytical services, Mérieux NutriSciences China complies with the highest standard of quality through the Mérieux NutriSciences Corporate Quality program. A global and uniform approach to innovation, quality and operating procedures will ensure that the organization will deliver the best in first class service and reliable results across the network of laboratories.

# 测试服务

## 能力板块 FOOD SAFETY TOPICS



微生物	Microbiology
农药残留	Pesticide Residue
兽药残留	Veterinary Drug Residue
生物毒素	Biotoxin
污染物	Contaminant
非法添加	Illegal Additive
转基因	GMOs
动植物源性成分测试	Animal & Plant-Derived Component
过敏原	Allergens
营养成分 & 食品标签制作及审核	Food Nutrition & Label Review and Design
添加剂	Additives
元素	Elements
质量指标	Quality Specifications

**Better Food. Better Health. Better World.**

# Testing Solution Service

## 产业板块 FOOD SEGMENTS



农业科学	Agriculture Science
农业环境	Agri-Environment
动物饲料 (包括宠物食品)	Animal Feed (including Pet Food)
农作物	Crops
畜禽产品	Livestock & Poultry Product
水产品	Aquatic Product
加工食品	Processed Food
乳制品	Dairy
婴幼儿配方食品	Infant Formula
特殊膳食食品	Special Dietary Food
特殊医学用途配方食品	Food for Special Medical Purpose
中药材	Traditional Chinese Medicine
植物提取物	Plant Extracts
保健食品	Dietary Supplements
商超、电商、新零售	Supermarkets, E-commerce & New Retail
餐饮	Catering
食品接触材料	Food Contact Material



## 农业科学分析服务

农业科学分析不仅仅是一个检测数据，我们还将结合实际生产情况，对农业数据进行深入分析，为作物生产制定精准化的养分分析报告与建议，提高农业生产的效率。

### 您可能正在关注

- 如何在稳产的同时，逐步降低化肥与农药用量
- 怎样在投入不变的前提下，提高商品一致性和货架期
- 面对绿色、有机、GAP等认证，如何准备合规的检测与报告
- 在“双碳”与环保监管趋严的背景下，怎样量化并降低环境足迹

### 我们能提供

- 快速响应的检测服务（部分项目最快可一天出结果）
- 专业的施肥分析与作物养分诊断
- 数据解读与建议

### 适用样品

灌溉水源、植物营养液、栽培基质、温室土壤、植物组织、大田土壤等

套餐项目	
灌溉水/无土栽培营养液	pH、EC、NO <sub>3</sub> 、NH <sub>4</sub> 、P、K、Ca、Mg、S、HCO <sub>3</sub> 、Fe、Mn、B、Zn、Mo、Cu、Cl、Na、Al、硬度
植株（如叶片、叶柄等）	干物质、总N、P、K、Ca、Mg、S、Fe、Mn、B、Zn、Cu、Mo、Cl、Na、Al
无土种植基质如椰糠、泥炭等	pH、EC、NO <sub>3</sub> 、NH <sub>4</sub> 、P、K、Ca、Mg、S、Fe、Mn、B、Zn、Mo、Cu、Cl、Na、Al
露天土壤施肥管理套餐（含建议）	全氮、全磷、有效磷、全钾、交换性钾、有效钾、全钙、交换性钙、有效钙、全镁、交换性镁、有效镁、全硫、有效硫、全铝、交换性铝、有效铝、交换性硼、有效硼、水溶性硼、全铜、有效铜、全铁、有效铁、全锰、有效锰、全钠、全镍、全硅、全锌、交换性锌、有效锌、酸碱度、酸碱性、有机质、总碳、有机碳、无机碳、碳氮比、阳离子交换量、砂粒、粉粒、粘粒...（参数持续拓展中）
植物病原DNA多重扫描	链格孢属、葡萄孢属、灰葡萄孢菌、炭疽菌属、多犯性植物炭疽病菌、胶孢炭疽菌、黄瓜褐斑病、镰刀菌属、尖孢镰孢菌、尖孢镰孢菌番茄专化型、腐皮镰孢菌、番茄叶霉、青霉菌属、疫霉属、辣椒疫霉、腐霉属、瓜果腐霉、终级腐霉、立枯丝核菌、菌核病菌、核盘菌、木霉属、黄萎病菌、大丽轮枝菌、群结腐霉、根癌农杆菌、马铃薯软腐病菌、青枯劳尔氏菌、芸苔属根肿菌、膝仓镰孢菌...（参数持续拓展中）

## Agricultural Scientific Analysis

Agricultural scientific analysis is more than the test data. We also combine actual production conditions to conduct in-depth analysis of agricultural data, formulate precise nutrient analysis reports and recommendations for crop production, and improve the efficiency of agricultural production.

### You may be concerned about

- How to gradually reduce the use of fertilizers and pesticides while maintaining stable production?
- How to improve product consistency and shelf life without changing the input?
- How to prepare for compliant testing and reporting in the face of certifications such as green, organic, and GAP?
- How to quantify and reduce the environmental footprint in the context of stricter "dual carbon" and environmental regulations?

### What we can offer

- Rapid response testing services (24-hour results for select items)
- Professional fertilization analysis and Crop nutrient diagnosis
- Data interpretation and recommendations

### Samples

Irrigation water sources, plant nutrient solutions, growing media, greenhouse soil, plant tissues, etc.

Package Items	
Irrigation Water / Nutrient Solution	pH, EC, NO <sub>3</sub> , NH <sub>4</sub> , P, K, Ca, Mg, S, HCO <sub>3</sub> , Fe, Mn, B, Zn, Mo, Cu, Cl, Na, Al, Hardness
Plant	Dry matter, Total N, P, K, Ca, Mg, S, Fe, Mn, B, Zn, Cu, Mo, Cl, Na, Al
Soilless Growing Medium	pH, EC, NO <sub>3</sub> , NH <sub>4</sub> , P, K, Ca, Mg, S, Fe, Mn, B, Zn, Mo, Cu, Cl, Na, Al
Open-field Fertilization and Management Advice	Total nitrogen, Total phosphorus, Available phosphorus, Total potassium, Potassium exchangeable, Available potassium, Total calcium, Calcium exchangeable, Available calcium, Total magnesium, Magnesium exchangeable, Available magnesium, Total sulfur, Available sulfur, Total aluminium, Aluminium exchangeable, Available aluminium, Boron exchangeable, Available boron, Boron hot water, Total copper, Available copper, Total iron, Available iron, Total manganese, Available manganese, Total sodium, Total nickel, Total silicon, Total zinc, Zinc exchangeable, Available zinc, pH, Organic matter, Total carbon, Organic carbon, Inorganic carbon, CN ratio, Cation exchange capacity, Sand, Silt, Clay...(Continuously expanding)
Crop Pathogen DNA Multi-Scan	Alternaria spp., Botrytis spp., Botrytis cinerea, Colletotrichum spp., Colletotrichum acutatum, Colletotrichum gloeosporioides, Corynespora cassicola, Fusarium spp., Fusarium oxysporum, F. oxysporum f.sp. lycopersici, Fusarium solani, Passalora fulva, Penicillium spp., Phytophthora spp., Phytophthora capsici, Pythium spp., Pythium aphanidermatum, Pythium ultimum, Rhizoctonia solani, Sclerotinia spp., Sclerotinia sclerotiorum, Trichoderma spp., Verticillium spp., Verticillium dahliae, Pythium myriotylum, Agrobacterium tumefaciens, Erwinia carotovora subsp. carotovora, Ralstonia solanacearum, Plasmodiophora brassicae, Fusarium, Fujikuroi...(Continuously expanding)



## 微生物测试服务

### 专业的微生物测试机构

梅里埃营养科学(中国)拥有最先进的检测技术和设备,同时拥有一支经验丰富、技术成熟、团队稳定的技术专家团队,在全球统一的高标准质量控制管理下,积累了丰富的行业经验,赢得了良好的口碑。

### 检测方法

#### 国内外权威标准方法

- GB, SN, AOAC, ISO, FDA, BAM, ChP, USP, EP, IFU, CMMEF等

#### 快速检测方法

- 酶联免疫荧光法、PCR法等

#### 快速设备

- VIDAS 系统、GENE UP系统、BAX 系统、实时荧光PCR等

### 测试能力

指示菌 菌落总数、大肠菌群、大肠埃希氏菌、肠杆菌科、霉菌、酵母菌

致病菌 沙门氏菌、单核细胞增生李斯特氏菌、李斯特氏菌菌属、克罗诺杆菌属(阪崎肠杆菌)、空肠弯曲菌、结肠弯曲菌、小肠结肠炎耶尔森氏菌、大肠埃希氏O157:H7/NM、志贺氏菌、金黄色葡萄球菌、副溶血性弧菌、霍乱弧菌、创伤弧菌、溶藻弧菌、绿脓杆菌、β型溶血性链球菌、肉毒梭菌、产气荚膜梭菌、蜡样芽孢杆菌、致泻大肠埃希氏菌、军团菌等

其他 葡萄球菌肠毒素、细菌内毒素等

### 食品科学中心提供更多微生物相关服务

- 环境监测
- 方法验证和确认
- 产品杀菌工艺验证研究
- 微生物实验室提升服务
- 菌种鉴定 & 下一代测序
- 保质期研究 & 微生物挑战性实验

## Microbiology Test Service

### Professional Microbiology Laboratory

Mérieux NutriSciences China boasts an experienced, technically proficient and stable expert team. Under global consistent high-standard quality control management, we have accumulated rich industry experience and earned a good reputation.

### Testing Method

#### Authoritative standard methods:

- GB, SN, AOAC, ISO, FDA, BAM, ChP, EP, USP, IFU, CMMEF, etc.

#### Rapid method:

- ELISA, PCR

#### Rapid equipment:

- VIDAS system, GENE UP system, BAX system, Real-time PCR, etc.

### Testing Capability

Indicators bacteria Aerobic plate count, Coliforms, E. coli, Enterobacteriaceae, Mould, Yeast

Pathogen Salmonella, Listeria monocytogenes, Listeria spp., Cronobacter spp., Campylobacter jejuni, Campylobacter coli, Yersinia enterocolitica, Escherichia coli O157:H7/NM, Shigella, Staphylococcus aureus, Vibrio parahaemolyticus, Vibrio cholerae, Vibrio vulnificus, Vibrio alginolyticus, Pseudomonas aeruginosa, β-Streptococcus hemolyticus, Clostridium botulinum, Clostridium perfringens, Bacillus cereus, Diarrheagenic escherichia coli, Legionella, etc.

Others Staphylococcal enterotoxin, Bacterial endotoxin, etc.

### Food Science Center provide more microbiology services as follows:

- Environment monitoring program
- Method verification and validation
- Process validation study
- Micro laboratory improvement service
- Microbial identification & NGS
- Shelf life study & microbial challenge study



## 农药残留测试服务

农药残留检测不仅是食品安全的底线，更是合规、品牌、可持续发展的关键支撑。

梅里埃营养科学（中国）可提供超过1,000项的农药残留定量检测，扫描列表超过800项，分析方法超过200个，致力于为客户提供从风险分析、检测验证到整改咨询的一站式解决方案，帮助客户降低合规风险，提升市场竞争力。



### 测试能力

#### 单项测试

可按照不同的化学结构类型提供测试，如

- 有机磷、有机氯、拟除虫菊酯、氨基甲酸酯等

可按照不同的农药用途提供测试，如

- 杀虫剂-杀螟丹、毒杀芬、苦参碱等
- 杀菌剂-春雷霉素、双胍辛胺、乙蒜素等
- 除草剂-草甘膦、百草枯、草强等
- 植物生长调节剂-乙烯利、复硝酚钠、抑芽丹等
- 熏蒸剂-溴甲烷、硫酰氟、氯化苦等
- 消毒剂-苯扎氯铵、二巯基二甲基氯化铵等

#### 综合套餐

可根据内控和通关需求灵活选择不同数量的农药列表，组合数量可超过800项。

#### 法规套餐

国内针对GB 2763-2021 & GB 27631-2022的专属农残套餐系列  
国内针对有机产品认证指南的抽检项目  
针对不同出口市场：韩国、日本、美国、欧盟、台湾、香港、国际食品法典等的专项农残套餐

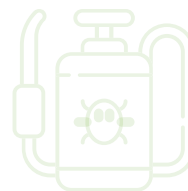
#### 产品套餐

包括但不限于果蔬类、粮谷类、油料和油脂、乳及乳制品、饮料、动物源性食品等，其中茶叶、中草药、水质、婴幼儿食品还会针对不同市场和法规法令细分不同套餐。

## Pesticide Residue Test Service

Pesticide residue testing is not only the bottom line of food safety, but also a key pillar for compliance, branding, and sustainable development.

Mérieux NutriSciences China provide quantitative testing for more than 1,000 pesticide residues, with a screening list of over 800 items and more than 200 analytical methods. Our company is committed to offering customers a one-stop solution covering risk analysis, testing verification, and rectification consulting, helping them reduce compliance risks and improve market competitiveness.



### Testing Capability

Testing available by chemical structure type, e.g.:

- Organophosphates, Organochlorines, Pyrethroids, Carbamates, etc.

Testing available by pesticide use, e.g.:

- Insecticides: Cartap, Toxaphene, Matrine, etc.
- Fungicides: Kasugamycin, Iminoctadine, Ethylicin, etc.
- Herbicides: Glyphosate, Paraquat, Amitrole, etc.
- Plant growth regulators: Ethephon, Sodium nitrophenolate, Maleic hydrazide, etc.
- Fumigants: Methyl bromide, Sulfuryl fluoride, Chloropicrin, etc.
- Disinfectants: Benzalkonium chloride, Didecyl dimethyl ammonium chloride, etc.

#### Single Pesticide Quantification

#### Comprehensive Package

According to the requirements of internal control and customs clearance, different numbers or structures or applications of risk pesticides can be flexibly selected with a combined list of up to 800+ items.

#### Regulation Package

Domestic exclusive pesticide package series for GB 2763-2021 & GB 27631-2022  
Domestic sampling items for organic product certification guidelines  
Special pesticide residue packages for different export markets - South Korea, Japan, USA, EU, Taiwan, Hong Kong, Codex etc.

#### Product Package

Special packages for products, including but not limited to Fruits and Vegetables, Grains, Oils and Fats, Dairy products, Beverages and Animal-derived products. Among them, Teas, Chinese herbs, Water, Baby food will also be subdivided into different series for different markets and regulations.



## 兽药残留测试服务

兽药残留检测不仅是简单的“测一个样，出一份报告”，而是贯穿于整个食品安全管理体系的关键技术支撑。

梅里埃营养科学(中国)可提供兽药残留定量检测近600项,扫描列表超过300项,分析方法超过200个,致力于为客户提供从风险分析、检测验证到整改咨询的一站式解决方案,帮助客户降低合规风险,提升市场竞争力。



### 测试能力

#### 兽残单项

- 抗菌药物、抗寄生虫药物、抗病毒药物
- 消毒类药物
- 瘦肉精、激素类等组织调节药物
- 抗炎药物、利尿剂、镇静麻醉类药物等

#### 合规类监控

- GB 31650系列
- 国内禁用、停用、限用系列
- 认证系列(有机/绿色)
- 赛事兴奋剂监控
- 新注册兽药监控

#### 风险监控

- 多兽残扫描300+列表
- 出口欧盟、日本等监控
- 抗生素、激素类监控
- 非法添加药物监控
- 畜禽及水产中高风险药物监控

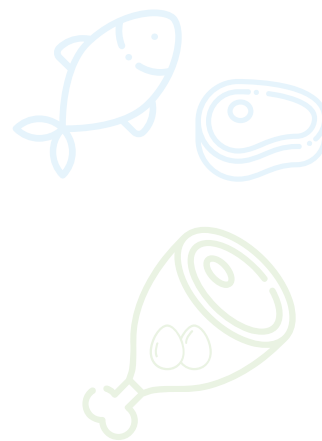
#### 客户定制化方案

- 按产品类型定制风险方案
- 按采购商需求定制监控方案
- 按目标市场法规要求定制

## Vet Drug Residue Test Service

Veterinary drug residue testing is not just simply "a sample test or a report", but a key technical support throughout the entire food safety management system.

Mérieux NutriSciences China offers quantitative testing for nearly 600 veterinary drug residues, a screening list of over 300 items, and more than 200 analytical methods. Our company is committed to providing customers with a one-stop solution covering risk analysis, testing verification, and rectification consulting, helping them reduce compliance risks and enhance market competitiveness.



### Testing Capability

#### Single Item

- Antibiotics, Antiparasitic drugs, Antiviral drugs
- Disinfectant drugs
- $\beta$ -Agonist, Hormones and other tissue functional drugs
- Anti-inflammatory drugs, Diuretics, Sedative and anesthetic drugs

#### Compliance Service

- GB 31650 testing suites
- Domestic banned drug series
- Certification series (organic/green)
- Doping monitoring
- Newly registered veterinary drug monitoring

#### Risk control Service

- Multi-drugs for 300+ items
- Export to EU, Japan and other countries under surveillance
- Antibiotics and hormones
- Illegal drugs
- High-risk drugs in livestock, poultry and aquatic products

#### Customized Solutions

- Customize risk plans by product type
- Customize monitoring solutions based on buyer's requirements
- Customize to meet target market regulatory requirements



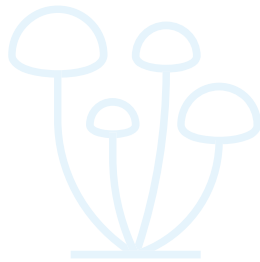
## 生物毒素测试服务

生物毒素污染是贯穿“从农田到餐桌”全链条的固有风险，其检测与控制是食品安全保障体系中的关键一环。

梅里埃营养科学(中国)凭借先进的技术平台(LC-MS/MS, GC-MS/MS, HPLC等)和专业的专家团队,能够为客户提供覆盖多种毒素、多种基质的精准检测服务,并结合行业经验,为客户提供从原料验收、过程控制到成品放行的全方位解决方案,助力客户提升产品质量安全水平,应对国内外市场挑战。

- 提供多残留筛查与定量测试,如使用LC-MS/MS进行真菌毒素多残留扫描及阳性确证和定量
- 提供供应链风险评估,帮助企业识别从产地、运输到仓储各个环节的毒素污染风险
- 提供技术咨询与培训,指导企业根据国内外法规标准制定内控标准,并正确取样和送检

测试能力	
真菌毒素	黄曲霉毒素、赭曲霉毒素、玉米赤霉烯酮、脱氧雪腐镰刀菌烯醇、T-2 和 HT-2 毒素、伏马毒素、蛇形菌素、新茄病镰刀菌烯醇、腾毒素、软毛青霉酸、桔青霉素、链格孢霉菌毒素
植物毒素	游离棉酚、微囊藻毒素、氰化物、异硫氰酸酯、噁唑烷硫酮等
细菌毒素	葡萄球菌肠毒素、蜡样芽孢杆菌呕吐毒素等
生物碱	吡咯里西啶生物碱、麦角生物碱、秋水仙碱、苦参碱、乌头碱、马钱子碱、毛果芸香碱、配糖生物碱(α-茄碱、α-卡茄碱)、托品烷生物碱(阿托品、东莨菪碱等)、异喹啉类生物碱(那可丁、罂粟碱、蒂巴因等)



## Biotoxin Test Service

Biological toxin contamination is an inherent risk throughout the entire "farm-to-fork" chain, and its detection and control are a key link in the food safety assurance system. With advanced technical platforms (LC-MS/MS, GC-MS/MS, HPLC, etc.) and a professional expert team, our company can provide customers with accurate testing services covering a variety of toxins and matrices. Combined with industry experience, we offer comprehensive solutions from raw material acceptance and process control to finished product release, helping customers improve product quality and safety levels and meet challenges in domestic and international markets.

- Provide multi-residue screening and quantitative testing, e.g., using LC-MS/MS for mycotoxin multi-residue scanning, positive confirmation and quantification.
- Offer supply chain risk assessment to help enterprises identify toxin contamination risks in all links from origin, transportation to warehousing.
- Provide technical consulting and training to guide enterprises in formulating internal control standards in accordance with domestic and international regulatory standards, as well as proper sampling and submission for inspection.

Testing Capability	
Mycotoxins	Aflatoxins, Ochratoxins, Zearalenone, Deoxynivalenol, T-2 and HT-2 toxin, Fumonisin, Diacetoxyscirpenol (DAS), Neosolaniol (NEO), Tenuazonic acid, Penicillic acid, Citrinin, Alternaria toxins
Phytotoxins	Free gossypol, Microcystins, Cyanide, Isothiocyanates, Oxazolidinethiones, etc.
Bacterial toxins	Staphylococcal enterotoxins, Cereulide, etc.
Alkaloids	Pyrrrolizidine alkaloids, Ergot alkaloids, Colchicine, Matrine, Aconitine, Strychnine, Pilocarpine, Glycoalkaloids (α-Solanine, α-Chaconine), Tropane alkaloids (Atropine, Scopolamine, etc.), Isoquinoline alkaloids (Noscapine, Papaverine, Thebaine, etc.)





## 污染物测试服务

污染物的风险管理通常采取ALARA原则，即在合理可实现范围内尽可能地低，因此超越法规的全面监控才是实现污染物风险最小化、推动可持续发展的关键路径。

梅里埃营养科学(中国)可提供各种产品中多种污染物的检测服务，为客户提供全面监控，帮助客户提升市场竞争力，推动食品产业的健康可持续发展。

### 风险管控措施

污染物管控建议，从源头到成品全链条风险监控。

- **源头管控:** 对原料产地的环境(水、土)进行检测评估，重点关注重金属和持久性有机污染物。
- **过程管理:** 优化加工工艺(如温度、时间控制)以减少加工污染物的生成。
- **供应商审核:** 建立严格的供应商准入和定期评估体系。
- **终产品监控:** 实施批批检测或基于风险的监测计划，确保产品合规并关注新型污染物。

测试能力	
无机污染物	硝酸盐、亚硝酸盐、重金属等
有机污染物-环境	二噁英及多氯联苯类、全氟烷基化合物、矿物油等
有机污染物-工艺	丙烯酰胺、氯丙醇及其脂肪酸酯、多环芳烃、呋喃、亚硝胺类等
有机污染物-包材迁移	微塑料、塑化剂、双酚A、双酚S等



## Contaminant Test Service

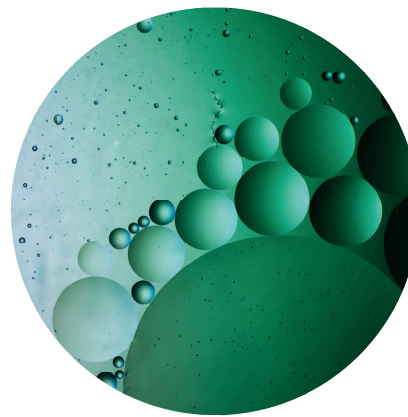
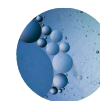
Contaminant risk management usually adopts the ALARA principle—As Low As Reasonably Achievable—so comprehensive monitoring beyond regulations is the key path to minimize pollutant risks and promote sustainable development.

Mérieux NutriSciences China can provide testing services for various pollutants in a wide range of products, offering customers comprehensive monitoring, helping them enhance market competitiveness and driving the healthy and sustainable development of the food industry.

### Risk Control Management

Contaminant control recommendations: full-chain risk monitoring from source to finished products.

- **Source control:** Test and assess the environment (water, soil) of raw material origins, with a focus on heavy metals and persistent organic pollutants.
- **Process management:** Optimize processing technologies (e.g., temperature and time control) to reduce the formation of process-related pollutants.
- **Supplier audit:** Establish a strict supplier access and regular evaluation system.
- **Finished product monitoring:** Implement batch-by-batch testing or risk-based monitoring plans to ensure product compliance and pay attention to emerging pollutants.



Testing Capability	
Inorganic contaminants	Nitrates, Nitrites, Heavy metals, etc.
Organic contaminants-environmental	Dioxins and Polychlorinated biphenyls (PCBs), Perfluoroalkyl substances (PFAs), Mineral oils, etc.
Organic contaminants-process	Acrylamide, Chloropropanols and their fatty acid esters, Polycyclic aromatic hydrocarbons(PAHs), Furans, Nitrosamines, etc.
Organic contaminants-packaging migration	Microplastics, Plasticizers, Bisphenol A (BPA), Bisphenol S (BPS), etc.

## 非法添加药物测试服务

梅里埃营养科学(中国)可根据最新检测方法 & 监管政策,为食品、保健食品和中成药等企业提供以下非法添加物质检测及技术咨询,帮助企业发现问题,及时规范生产,消除风险。

### 测试范围

- 普通食品
- 功能性食品
- 保健食品
- 中成药
- 适用于压片糖果、软糖、固体饮料、蛋白粉、咖啡、酒类、饼干等
- 适用剂型:片剂、胶囊剂、丸剂、粉剂等

测试能力	
缓解体力疲劳类/提高免疫力类样品	西地那非、他达拉非等 100* 项
壮阳类样品	综合 120* 项
减肥类样品	双丙酚丁、西布曲明、N-单去甲基西布曲明、N,N-双去甲基西布曲明等 50* 项
泻下类样品	番泻苷A、番泻苷B、大黄素甲醚和双醋酚丁等 20* 项
辅助降血糖样品	甲苯磺丁脲、格列本脲、格列波脲等 30* 项
改善睡眠类样品	氟氮卓、文拉法辛、青藤碱、罗通定等 20* 项
辅助降血压类样品	阿替洛尔、盐酸可乐定、氢氯噻嗪、非洛地平 30* 项
辅助降血脂类样品	洛伐他汀、辛伐他汀、烟酸等 6 项
抗风湿、消肿止痛、止咳平喘类样品	阿司匹林、布洛芬、双氯芬酸、氨基比林、茶碱、马来酸氯苯那敏等 80* 项
抗痛风类样品	别嘌醇、苯溴马隆、氯沙坦(洛沙坦)、托匹司他、非布司他(非布索坦)等 25 项
利尿类样品	托拉塞米、关托拉宗、依普利酮、托伐普坦、坎利酮、乙酰唑胺等 20* 项
综合性类样品 非法添加药物筛查	利血平、尼莫地平、氨氯地平、尼索地平、哌唑嗪、非洛地平、尼群地平、硝苯地平、西布曲明、N-单去甲基西布曲明、N,N-双去甲基西布曲明、芬氟拉明、麻黄碱、酚酞、呋塞米等 155 项

## Illegal Additives Test Service

Mérieux NutriSciences China boasts a strong team of expertise and excellent technical support. Based on the latest testing methods and regulatory policies, we provide the following illegal additive testing and technical consulting services for enterprises in food, health food, Chinese patent medicine and other industries, helping them identify problems, standardize production in a timely manner and eliminate risks.

### Testing Scope

- Regular food
- Functional food
- Dietary supplements
- Chinese patent medicine
- Applicable to compressed candies, soft candies, solid beverages, protein powder, coffee, alcohol, biscuits, etc.
- Applicable dosage forms: tablets, capsules, pills, powders, etc.

Testing Capability	
Relieving physical fatigue / Enhancing immunity	Sildenafil, Tadalafil, and other 100* items
Aphrodisiac	A total of 120* items
Weight loss	Bisacodyl, Sibutramine, N-monodesmethylsibutramine, and other 50* items
Laxative effect	Senoside A, Senoside B, Phycion, Aurantio-obtusin, and other 20* items
Assisting in lowering blood glucose	Tolbutamide, Glibenclamide, Gliclazide, Glipizide, Gliquidone, and other 30* items
Improving sleep	Chlordiazepoxide, Midazolam maleate, Nitrazepam, and other 20* items
Assisting in lowering blood pressure	Atenolol, Clonidine hydrochloride, and other 30* items
Assisting in lowering blood lipids	Lovastatin, Simvastatin, Niacin, and other 6 items
Anti-rheumatism, reducing swelling and relieving pain, relieving cough and asthma	Aspirin, Ibuprofen, Diclofenac, Aminopyrine, Theophylline, Chlorpheniramine maleate, and other 80* items
Analgesic and anti-inflammatory	Allopurinol, Benzbromarone, Losartan, Topiroxostat, Febuxostat, and 20* items.
Diuretics	Torasemide, Quinetazone, Eplerenone, Tolvaptan, Canrenone, Acetazolamide, and 20* items.
Comprehensive	Reserpine, Nimodipine, Amlodipine, Nisoldipine, Prazosin, Felodipine, Nitrendipine, Nifedipine, Sibutramine, N-monodesmethylsibutramine, N,N-bisdesmethylsibutramine, Fenfluramine, Ephedrine, Phenolphthalein, Furosemide, and other 155 items



## 转基因成分测试服务

随着转基因产品的日益普及和广泛应用，公众对转基因产品的关注也越来越高。但转基因食品的安全性在世界范围内仍存在争议，世界各国相继制定法规来加强转基因产品的管理，并且设置贸易性技术壁垒限制该类产品的进口。

梅里埃营养科学(中国)拥有国际先进的分子生物检测设备以及专业的检测团队，针对农产品、食品、饲料等提供转基因成分定性测试分析。

### 测试能力

小麦及其产品(高级筛选4位点, IP筛选5位点)

水稻及其产品(基础筛选3位点, 高级筛选4~5位点, IP筛选5位点)

大豆及其产品(基础筛选3位点, 高级筛选5~9位点, IP筛选13位点)

玉米及其产品(基础筛选3位点, 高级筛选6位点, IP筛选16位点)

番茄及其产品(高级筛选4位点, IP筛选6位点)

马铃薯及其产品(高级筛选3~7位点, IP筛选5位点)

油菜及其产品(高级筛选5~9位点, IP筛选5位点)

甜菜及其产品(高级筛选3~4位点, IP筛选14位点)

棉花及其产品(高级筛选6~7位点, IP筛选14位点)

木瓜及其产品(高级筛选4位点, IP筛选7位点)

苜蓿及其产品(基础筛选3位点, IP筛选5位点)

其他基质(高级筛选3~4位点)



## GMO Test Service

With the popularization and wide application, the public pay more and more attention to genetically modified foods. While the safety of genetically modified foods is still in controversy around the world, governments of all countries carried out regulations to strengthen management of genetically modified products, and set up technical barriers to limit the import of such products.

Mérieux NutriSciences China equipped with international advanced molecular biological equipments and having professional team, provides GMO and allergen testing services on food, agricultural products and feed. Besides, Mérieux NutriSciences China also provides the authenticity identification of meat component.

### Testing Capability

Wheat & its products (Advanced screening 4 gene locus, IP screening 5 gene locus)

Rice & its products (Basic screening 3 gene locus, Advanced screening 4~5 gene locus, IP screening 5 gene locus)

Soybean & its products (Basic screening 3 gene locus, Advanced screening 5~9 gene locus, IP screening 13 gene locus)

Corn & its products (Basic screening 3 gene locus, Advanced screening 6 gene locus, IP screening 16 gene locus)

Tomato & its products (Advanced screening 4 gene locus, IP screening 6 gene locus)

Potato & its products (Advanced screening 3~7 gene locus, IP screening 5 gene locus)

Rape & its products (Advanced screening 5~9 gene locus, IP screening 5 gene locus)

Sugarbeet & its products (Advanced screening 3~4 gene locus, IP screening 14 gene locus)

Cotton & its products (Advanced screening 6~7 gene locus, IP screening 14 gene locus)

Papaya & its products (Advanced screening 4 gene locus, IP screening 7 gene locus)

Alfalfa & its products (Basic screening 3 gene locus, IP screening 5 gene locus)

Other matrix (Advanced screening 3~4 gene locus), etc.



## 动植物源性成分测试

消费者权益意识日益增强，对产品标签透明度和真实性要求日益提高的今天，“成分是否如其所言”已成为食品、保健品、饲料等行业的核心关切，动植物源性成分检测，在食品安全监管、宗教饮食合规、过敏原规避、素食主义选择等领域具有重要作用。

通过对特定DNA序列的扩增和检测，实时荧光PCR能够准确判定食品中是否含有某种成分，确保食品标签的真实性和准确性。

宏基因组学(NGS测序平台)通过分析食品中的所有生物的组成基因信息，可以快速、准确地非定向识别食品中的掺假成分，保障食品安全和质量，避免食品欺诈事件的发生。

梅里埃营养科学(中国)拥有国际先进的分子生物检测设备以及专业的检测团队，针对农产品、食品、饲料等提供动植物源性成分真实性鉴定分析。

### 测试能力

动物源性成分 猪、牛、羊、鸡、鸭、鹅、马、驴、绵羊、山羊、黄牛、水牛、牦牛、狐狸、骆驼等

植物源性成分 红薯、木薯、豌豆、绿豆、核桃、杏仁、榛子、芝麻、花生、大豆、玉米、小麦、藕、马铃薯、山药、香蕉、大米、葛根等



## Testing of Animal & Plant-derived Components

With consumers' awareness of their rights increasingly growing and their demands for product label transparency and authenticity rising, "whether the ingredients match the claims" has become a core concern in industries such as food, dietary supplements, and feed. Testing for animal- and plant-derived ingredients plays a crucial role in food safety regulation, religious, dietary compliance, allergen avoidance, and vegetarianism choices.

By amplifying and detecting specific DNA sequence, qPCR can accurately determine whether food contains a certain ingredient, ensuring the authenticity and accuracy of food labels.

Metagenomics (NGS Platform) can quickly and accurately identify adulterated ingredients in food by analyzing the composition gene information of all organisms in food, ensuring food safety and quality and avoiding food fraud.

Mérieux NutriSciences China equipped with international advanced molecular biological equipment and having professional team, provides the authenticity identification of animal- and plant-derived component.

### Testing Capability

Animal-derived components Porcine-derived, Bovine-derived, Ovine-derived, Chicken-derived, Duck-derived, Goose-derived, Horse-derived, Sheep-derived, Goat-derived, Yellow-cattle-derived, Buffalo-derived, Yak-derived, Fox-derived, Camel-derived, etc.

Plant-derived components Sweet potato-derived, Cassava-derived, Pisum sativum-derived, Vigna radiate-derived, Walnut-derived, Almond-derived, Hazelnut, Sesame-derived, Peanut-derived, Soybean-derived, Corn-derived, Wheat-derived, Lotus root-derived, Potato-derived, Rhizoma dioscoreae-derived, Banana-derived, Kudzu root, etc.





## 过敏原测试服务

梅里埃营养科学(中国)拥有国际先进的分子生物检测设备以及专业的检测团队,可以提供全面的过敏原检测与管理解决方案,包括:

### 检测服务

采用ELISA、PCR方法测试原材料、成品、涂抹及淋洗水中过敏原

### 合规咨询

提供标签审核、法规解读等服务

### 诊断与培训

针对交叉污染环节,制定生产线清洁验证方案;协助企业建立过敏原控制计划,开展内部审核与员工培训。

## 风险管控措施

过敏原风险主要来源于原料带入、交叉污染、标签错误等。企业应建立从原料采购、生产加工、储存运输到标签标识的全流程过敏原管理体系。防控措施包括:

- 原料供应商审核与检测
- 生产线清洁与隔离管理
- 员工培训与操作规范
- 成品过敏原检测与标签复核

## 测试能力

麸质、醇溶蛋白、蛋、大豆、乳、花生、扁桃仁、榛子、腰果、芝麻、鱼、芹菜、芥末、虾蟹(甲壳类)、软体动物、杏仁、羽扇豆、荞麦、奶、β-乳球蛋白、酪蛋白、鸡蛋蛋白等

## Allergens Test Service

Mérieux NutriSciences China is equipped with internationally advanced molecular biology testing equipment and a professional testing team, enabling it to provide comprehensive allergen testing and management solutions, including:

### Testing Services:

Adopt ELISA and PCR methods to test allergens in raw materials, finished products, swabs and rinse water.

### Compliance Consulting:

Provide services such as label review and regulatory interpretation.

### Diagnosis and Training:

Develop production line cleaning validation plans for cross-contamination links; assist enterprises in establishing allergen control plans, and conduct internal audits and employee training.

## Risk Control Management

Allergen risks mainly stem from raw material introduction, cross-contamination, labeling errors, etc. Enterprises should establish a full-process allergen management system covering raw material procurement, production and processing, storage and transportation, and labeling. Prevention and control management include:

- Raw material supplier audit and testing
- Production line cleaning and isolation management
- Employee training and operational specifications
- Finished product allergen testing and label review

## Testing Capability

Raw materials, Products, Swabs, Rinse water, etc. Gluten, Prolamin, Egg, Soybean, Milk, Peanut, Almond, Hazelnut, Cashew, Sesame, Fish, Celery, Mustard, Crustaceans (e.g. Shrimp, Crab), Mollusks, Lupin, Buckwheat, Beta-lactoglobulin, Casein, Egg white protein, etc.



## 营养分析 & 食品标签制作及审核

梅里埃营养科学根据不同客户的需求、不同国家的要求，整理了覆盖全球近70个国家和地区的营养标签要求，为客户提供细致服务。

### 营养标签检测套餐

- 覆盖全球70个国家和地区
- 美国、加拿大、墨西哥、欧盟、日本、韩国、马来西亚、新加坡、越南、泰国、菲律宾、印度、巴基斯坦、印度尼西亚、巴西、智利、埃及、俄罗斯、以及中国台湾、中国香港等

### 营养标签检测制作

- 制作后可直接印刷
- 中国、美国、日本、韩国、新加坡、马来西亚、加拿大、澳大利亚、新西兰、欧盟、南非、智利、以色列、墨西哥以及中国台湾、中国香港

### 合规测试服务

- 国内2011版/2025版预包装食品标签审核及营养标签制作
- 鲜活农产品标签审核
- 复配食品添加剂审核
- 保健食品、特殊膳食食品标签审核
- 出口标签审核及制作
- 饲料及宠物食品标签审核

### 营养素测试能力 (覆盖全项营养素)

常规营养成分 蛋白质、脂肪、碳水化合物、膳食纤维、粗纤维、能量等

矿物质元素 钙、磷、钠、镁、铜、锌、硒、钾、铁、碘、锰、氟等

维生素类 维生素A、维生素B族、维生素C、维生素E、维生素K1、β-胡萝卜素等

脂肪酸组成 饱和脂肪酸、不饱和脂肪酸、单不饱和脂肪酸、反式脂肪酸、ω3-脂肪酸 (DHA, EPA, ARA, DPA)、ω6-脂肪酸、ω9-脂肪酸等

糖类 总糖、葡萄糖、果糖、蔗糖、麦芽糖、乳糖、还原糖等

其他 水分、灰分、淀粉、胆固醇、可溶性膳食纤维、不溶性膳食纤维等

## Food Nutrition & Label Review and Design

According to the needs of different clients and the requirements of different countries, Mérieux Nutri-Sciences has sorted out nutrition labeling requirements covering nearly 70 countries and regions around the world, and provides customers with detailed services.

### Nutrition Label Test Package

- Covering 70 countries and regions worldwide
- US, Canada, Mexico, EU, Japan, South Korea, Malaysia, Singapore, Vietnam, Thailand, Philippines, India, Pakistan, Indonesia, Brazil, Chile, Egypt, Russia, China-Taiwan, China-HongKong, etc.

### Nutrition Label Design

- Can be directly printed after designing
- China, US, Japan, South Korea, Singapore, Malaysia, Canada, Australia, New Zealand, EU, South Africa, Chile, Israeli, Mexico, China-Taiwan, China-HongKong

### Compliance Testing Service

- Review of domestic 2011/2025 versions of prepackaged food labels and nutrition label preparation
- Label review for fresh and live agricultural products
- Review of compound food additives
- Label review for health food and special dietary food
- Export label review and preparation
- Label review for feed and pet food

### Testing Capability

Normal nutrient components	Protein, Fat, Carbohydrate, Dietary fiber, Crude fiber, Energy, etc.
Mineral elements	Ca, P, Na, Mg, Cu, Zn, Se, K, Fe, I, Mn, F, etc.
Vitamins	Vitamin A, Vitamin B, Vitamin C, Vitamin E, Vitamin K1, β-carotene, etc.
Fatty acid profile	Saturated fatty acid, Unsaturated fat, Monounsaturates, Trans fatty acid, Omega-3 (DHA, EPA, ARA, DPA), Omega-6, Omega-9, etc.
Sugar	Total sugar, Fructose, Glucose, Sucrose, Maltose, Lactose, Reducing sugar, etc.
Others	Moisture, Ash, Acid-insoluble ash, Starch, Cholesterol, Soluble dietary fiber, Insoluble dietary fiber, etc.



## 食品添加剂测试服务

食品添加剂的合理使用是食品安全保障体系中的关键一环。梅里埃营养科学(中国)能够为客户提供覆盖多种食品添加剂、多种基质的精准检测服务,并结合行业经验,为客户提供从原料验收、过程控制到成品放行的全方位解决方案,助力客户提升产品质量安全水平,应对国内外市场挑战。

### 风险管控措施

- **原料控制:**选择符合标准的食品添加剂供应商,对原料进行严格检测
- **生产过程控制:**建立完善的食物添加剂管理制度,精准投料并记录,防止交叉污染
- **加强质量检测与监控:**建立检测机制,对生产过程中的食品添加剂使用情况进行定期检测
- **建立可追溯体系:**确保能从终产品溯源到原料供应商,便于问题产品的精准召回和原因分析

### 服务项目

各种食品添加剂定量测试	防腐剂、甜味剂、酸度调节剂、着色剂、抗氧化剂、其他(咖啡因、茶多酚、硝酸盐等)
供应链风险评估	帮助企业识别从产地、运输到仓储各个环节的食品添加剂污染风险
技术咨询与培训	指导企业根据国内外法规标准制定内控标准,并正确取样和送检

## Food Additives Test Service

The rational use of food additives is a key link in the food safety assurance system. Mérieux NutriSciences China can provide customers with accurate testing services covering a variety of food additives and matrices. Combined with industry experience, we offer comprehensive solutions from raw material acceptance and process control to finished product release, helping customers improve product quality and safety levels and meet challenges in domestic and international markets.

### Risk Control Management

- **Raw material control:** Select suppliers of food additives that meet standards and conduct strict testing on raw materials.
- **Production process control:** Establish a sound food additive management system, achieve precise feeding with records, and prevent cross-contamination.
- **Strengthen quality testing and monitoring:** Set up a testing mechanism to conduct regular inspections on the use of food additives during production.
- **Establish a traceability system:** Ensure traceability from finished products to raw material suppliers, facilitating accurate recall and root cause analysis of problematic products.

### Services

Provide quantitative testing for various food additives	Preservatives, Sweeteners, Acidity regulators, Colorants, Antioxidants, Others (Caffeine, Tea polyphenols, Nitrates, etc.)
Offer supply chain risk assessment	Help enterprises identify food additive contamination risks in all links from origin, transportation to warehousing.
Provide technical consulting and training	Guide enterprises in formulating internal control standards in accordance with domestic and international regulatory standards, as well as proper sampling and submission for inspection.



## 食品接触材料测试服务

在生产、烹饪、销售、保护、运输食品的过程中，食品接触材料扮演着重要的角色，可能影响食品的气味、味道以及颜色，甚至会释放出一定量的有毒有害的成分被人体摄入，从而危害人类健康。

不恰当的测试将会导致巨大的经济和品牌的损失。不合规也会导致产品在市场上失去先机。

### 服务范围

食品接触材料及其制品

- 材料包括塑料及其助剂、纸和复合板、弹性体和橡胶、金属及合金、涂层、木材（包括软木）、清漆和涂料、陶瓷、玻璃；
- 制品包括塑料包装、塑料容器、金属容器、玻璃容器、陶瓷容器、餐具、炊具、保温杯、滤水（净水）器等。

### 测试能力

材料鉴别	红外、密度、熔点、成分分析等
物理测试	拉伸强度、撕裂强度、剥离强度、穿刺强度、冲击强度、使用性能、跌落测试、泄漏（密封测试）、印刷色牢度测试、运输测试、透氧率、透湿（水蒸气透过）、老化测试、耐热老化测试、盐雾试验等
卫生化学测试	迁移测试、溶剂残留、重金属溶出测试、添加剂及有害残留测试等
微生物测试	菌落总数、大肠菌群、沙门氏菌、志贺氏菌、金黄色葡萄球菌、抗（抑）菌测试等
生物相容性测试	经口毒性、细胞毒性、致畸变、突变等
产品配方审核	粘合剂、色母粒、树脂等
可持续发展	生物降解：挥发性固体含量、重金属、生物降解性、崩解性、生态效应等 过度包装：包装空隙率、包装层数等

## Food Contact Materials and Articles Test

Food contact materials and articles play a significant role in the processes, cooking, sales, protection and transportation of food. They may affect the smell, taste and color of food, and even release a certain amount of toxic and harmful components that can be ingested by the human body, thereby endangering human health.

Improper testing will lead to huge economic and brandreputation losses. Non-compliance will also cause products to lose their market opportunities.

### Testing Scope

Food contact material and articles

- Materials including plastics and additives, paper and board, elastomer and rubber, metal and alloy, coating, wood (and cork), varnish and paint, ceramic, glass;
- Articles including plastic package, plastic container, metal container, glass container, ceramic container, tableware, cookware, vacuum flask, water filter, etc.

### Testing Capability

Identification test	Infrared (IR), Density, Melting point, Composition analysis, etc.
Physical test	Tensile, Tear, Peel, Puncture, Impact, Use property, Drop, Leakage \ seal test, Color fastness, Transpor, Oxygen gas transmission, Water vapor transmission, Aging test, Heat resistance, Salt spray test, etc.
Hygeian chemical test	Migration test, Solvent residue, Soluble heavy metal, Additive and hazardous substance, etc.
Microbiology test	Aerobic plate count, Coliforms, Salmonella, Shigella, Staphylococcus aureus, Antibacteria, etc.
Biological test	Oral acute toxicity, Cytotoxicity, Mutagenic test, etc.
Ingredient review	Adhesive, Masterbatch, Resin, etc.
Sustainability	Biodegradation, Excessive package



# 安全 / 质量 / 可持续发展

## Safety / Quality / Sustainability

### 农田

Farm



#### 农业科学

Agriculture science

灌溉水质评价

Irrigation water assesment

植物养分分析

Plant nutrient analysis

植物病害监测

Plant disease monitoring

植物营养方案

Plant nutrition program

### 农业生产 & 初级农产品

Agricultural production & Primary agricultural products

#### 农产品质量与安全

Quality and safety of agricultural product

农药残留

Pesticide residues

兽药残留

Veterinary drug residues

重金属

Heavy metals

真菌毒素-链格孢菌毒素、黄曲霉毒素等

Mycotoxins-Alternaria toxins, Aflatoxins, etc.

环境污染物-全氟烷基类/矿物油/二噁英类等

Environmental contaminants-PFAs/MOH/Dioxins, etc.

植物毒素-生物碱等

Plant toxins-Alkaloids, etc.

植物功效成分

Phytoactive ingredient

### 安全溯源

### Safety Traceability

### 加工食品 & 终产品

Processed food & Finished products

#### 安全与风险监控

Safety and risk monitoring

环境污染物-全氟烷基类/矿物油/二噁英类等  
Environmental contaminants-PFAs/MOH/Dioxins, etc.

工艺污染物-环氧乙烷/丙烯酰胺/氯丙醇脂肪酸酯等  
Process contaminants-Ethylene oxide/Acrylamide/3-MCPDE, etc.

包材迁移污染物-塑化剂、双酚类等  
Packaging materials migration-plasticizers, bisphenols, etc.

农兽药残留

Pesticide and veterinary drug residues

致病菌

Pathogen

转基因、过敏原及动植物源性测试

GMOs, Allergens and Animal & plant-derived identification

异物分析

Foreign material analysis

### 餐桌

Fork



#### 标准符合性监控

Standard compliance monitoring

国内外标准符合性检测

Domestic and international standard

compliance testing

标签制作及合规性评估

Label design and review

label compliance assessment