




BIOACTIVE SERVICES LLC.

We Treat your Ingredients Right




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Bioactive Services LLC.

All About Ingredients

Our Capabilities

- Bioactive Services Capabilities
- Bioactive Safe Sterilization Capabilities

Powdered Ingredients

- Organic
- Botanicals & Herbs
- Fruits & Vegetables
- Functional Ingredients
- Botanical Extracts
- Vitamins & Minerals

Blends

- Organic Ingredients
- Conventional Ingredients
- Ready to Ship House Blends

Custom Formulations

- Formulations
- Custom Crafted Functional Blends

Steam Sterilization

- Processing Capacities & Capabilities
- Our Process

Toll blending Packaging



All About Ingredients

We at **Bioactive Services** are a bulk provider of wholesale dry & powder all natural food ingredients. We work with the manufacturing industry to enhance processed foods that now dominates the modern human diet.

Our **goal** is bring the highest organic quality products to the Nutrition, Food & Beverage, and pet food industries, while delivering advanced bioactive services designed to optimize functionality, bioavailability, and scientifically driven solutions for a rapidly evolving market.





Journey of Bioactive Services

2004

▶ We Began as an ingredient distributor for the nutraceutical industry.

2005

▶ Our first facility was 5000 sf building in Avenel, NJ

2006

▶ We outgrew the Avenel building, and moved into 8,000 sf in S.Plainfield.

2009

▶ In 2009 SSUSA, Safe Sterilization was born to fill the need for chemical and radiation free kill step.

2011

▶ Our services again expanded to custom formulations, toll blending and shelf ready blends.

2012

▶ Our facilities grew to over 20,000 sf to meet all our processing needs.

2016

▶ We opened an 11,000 sf facility in Reno Nevada for Safe Sterilization & low allergen processing.

2019

▶ We added another 29,000 sf building in NJ to support our blending services.

2022

▶ Safe Sterilization USA & Bioactive Resources reorganized under one new name Bioactive Services

2023

▶ Jar Filling services are fully operational

2024

▶ SQF Certification

More Expansion Coming Soon!

Custom Formulations

We specialize in comprehensive formulation services across pharmaceuticals, nutraceuticals, and functional foods, enhancing bioavailability and efficacy of active ingredients.

1

Ingredients

Bioactive Services provides high-quality ingredients for pharmaceuticals, nutraceuticals, and functional foods, optimizing efficacy, bioavailability, and stability.

2

Toll Blending

Bioactive Services offers expert Toll blending services with state-of-the-art facilities, ensuring homogenous mixtures that preserve ingredient integrity and efficacy.

3

Packaging

We provide comprehensive packaging services, including jar filling and pouch packaging, ensuring product integrity, regulatory compliance, and consumer appeal.

4

Milling

Bioactive Services provides advanced milling services for precise particle size reduction, enhancing the bioavailability, stability, and efficacy of active ingredients.

5

R & D

Bioactive Services provides comprehensive R&D services to drive innovation, optimize formulations, and ensure regulatory compliance for market-ready products.

6

Bioactive Safe Sterilization Capabilities

Steam Sterilization

At Bioactive Services, we prioritize the safety and efficacy of your dried powdered ingredients. Our advanced steam sterilization process is designed to eliminate harmful pathogens while preserving the bioactivity and quality of your ingredients.

1

Milling

We specialize in the precision milling of dried powdered ingredients. Our state-of-the-art facilities and advanced milling technology ensure consistent particle size, enhanced solubility, and optimized texture for a wide range of applications. Whether you require fine powders for pharmaceuticals, food products, we tailor our milling processes to meet the specific needs of your product, ensuring superior quality and performance.

2

Toll Blending

We specialize in toll blending of dried powdered ingredients, tailored to meet the unique needs of our clients. Our state-of-the-art facilities and expert team ensure the highest standards of quality, safety, and consistency in every batch we produce.

3

Packaging

We provide comprehensive packaging services, including jar filling and pouch packaging, ensuring product integrity, regulatory compliance, and consumer appeal.

4

- FRUITS
- VEGETABLES
- HERBS
- BOTANICALS
- EXTRACTS
- FIBERS
- PROTEIN
- STARCH
- SPICES
- NUTRACEUTICALS

Organic

- Acai Juice Powder Spray Dried
- Acai Powder Freeze Dried 80%
- Acerola W/ 17% Vitamin C
- Aloe Vera Leaf Powder
- Alfalfa Powder
- Amla Powder
- Apple Fiber Powder
- Aronia Berries Powder
- Ashwagandha Root Powder
- Banana Powder Drum Dried
- Barley Grass Leaves Powder
- Beet Juice Powder
- Beet Root Powder
- Behada Powder
- Broccoli Powder
- Burdock Root Powder
- Carrot Juice Powder
- Carrot Powder
- Cabbage Powder
- Cauliflower Powder
- Cayenne Pepper Powder
- Celery Seed Powder
- Chamomile Powder
- Chaste Tree Berry Powder
- Cilantro Leaf
- Cinnamon Bark Powder
- Cocoa Powder
- Dandelion Leaves Powder
- Dandelion Root Powder
- Elderberry Fruit Powder
- Feverfew Herb Powder
- Fenugreek Seed Powder
- Garlic Powder
- Ginger Root Powder
- Ginkgo Biloba Leaves Powder
- Goji Juice Powder
- Grape Juice Powder Freeze Dried
- Gum Acacia Powder
- Hawthorn Berries Powder
- Harada Powder
- Holy Basil Powder
- Horsetail Herb Powder
- Kale Powder
- Air Dried Kelp Powder
- Lemon Peel Powder
- Air Dried Maca Root Powder
- Moringa Leaf Powder
- Nettle Leaves Powder
- Noni Fruit Powder
- Onion Powder
- Oregano Leaves Powder
- Parsley Powder
- Peach Fruit Powder Freeze Dried
- Plum Powder
- Prune Powder
- Psyllium Husk Powder 95%
- Rhubarb Root Powder
- Schisandra Berry Powder
- Senna Leaves Powder
- Spinach Powder
- Turmeric Root Powder
- Wheat Grass Fine Ground Powder

Botanicals & Herbs

- Alfalfa Powder O/C/K
- Aloe Vera Leaf Powder O/C/K
- Amla Powder O/C/K
- Ashwagandha Root Powder O/C/K
- Barley Grass Leaf Powder O/C/K
- Barley Grass Juice Powder O/C/K
- Bilberry Fruit C
- Bilberry Leaves Powder C/K
- Black Cohosh Root Powder C
- Black Walnut Hulls C/K
- Burdock Root O/C
- Cat's Claw Powder C
- Cayenne Pepper Powder C
- Chamomile Flower Powder C/K
- Chasteberry O/C
- Chickweed Herb Powder C
- Cinnamon Bark Powder O/C/K
- Damiana Leaves Powder C/K
- Dandelion Root Powder O/C/K
- Dulce Powder C
- Echinacea Angustifolia Herb Powder C/K
- Eleutherococcus Senticocus Powder C
- Fennel Seed O/C/K
- Fenugreek Seed Powder O/C/K
- Garlic Powder O/C/K
- Ginger Root Powder O/C/K
- Hawthorne Berries Powder C
- Holy Basil Powder O
- Horsetail Herb Powder C
- Meadow Sweet Herb Powder C
- Mullein Leaves Powder C
- Nettle Leaves Powder O
- Parsley Leaf Powder C
- Passion Flower Powder C
- Plantains Leaves Powder C
- Rosehips Powder O
- Senna Leaves Powder O
- Green Tea Powder C
- Turmeric Root Powder O/C/K
- Wheat Grass Powder O

O = Organic C = Conventional K = Kosher



Fruits & Vegetables

- Acai Juice Powder O/C
- Amla Powder O/C
- Apple Fiber Powder O/C/K
- Apple Juice Powder O/C/K
- Banana Powder C
- Bilberry Fruit Powder C/K
- Blackberry Fruit Powder C/K
- Black Currant Juice Powder C/K
- Blueberry Powder C/K
- Blueberry Fiber Powder C/K
- Cherry Juice Powder C/K
- Coconut Powder
- Cranberry Juice Powder O/C/K
- Cranberry Fruit Powder O
- Elderberry Fruit Powder C/K
- Goji Powder O/C/K
- Grape Juice Powder C
- Grapefruit Juice Powder C
- Lemon Juice Powder
- Noni Fruit Powder O
- Orange Juice Powder C
- Orange Peel Powder O/C/K
- Papaya Juice Powder O
- Peach Fruit Powder O
- Pineapple Juice Powder C/K
- Plum Juice Powder O/K
- Pomegranate Juice Powder O/C
- Prune Juice Powder O/C/K
- Raspberry Juice Powder C/K
- Rhubarb Powder O
- Strawberry Powder
- Beet Juice Powder O/C/K
- Beet Root Powder O/C/K
- Broccoli Powder C
- Carrot Powder O/C/K
- Organic Kale Powder O/K
- Organic Spinach Powder
- Spinach Powder
- Tomato Powder

Functional Ingredients

- Organic Aloe Vera Leaf
- Apple Pectin Powder
- Apple Cider Vinegar Powder
- Organic Acerola
- Organic Apple Fiber
- Carob Powder
- Citrus Bioflavonoid Powder
- Flax Seed Meal Powder
- F.O.S. (Fructooligosacchrides)
- Organic Kelp Powder
- Lemon Bioflavonoid Powder
- Kolanut Powder
- Psyllium Husks Whole or Powder
- Rice Flour Powder
- Spirulina Powder

Botanical Extracts

- Amla Extract 20% Tannins
- Gymnenma sylvestres P.E. 25%
- Andrographis paniculata 50%
- Gymnenma sylvestres P.E. 75%
- Ashwagandha 1.5% Mangosteen Extract 20%
- Ashwagandha 2.5% Mucuna pruriens Extract
- Bitter Melon Mormodica charantia 2.6%
- Senna angustifolia P.E. 20%
- Goji Extract 50%
- Tribulus terrestris P.E. 45%
- Guggulipids P.E. 2.5%
- Tribulus terrestris P.E. 20%
- Guarana Extract 10% Water Soluble
- Turmeric P.E. 95%

Vitamins & Minerals

Zenherb[®] Labs

PBZenMulti™

A proprietary blend of entirely plant-based vitamins and minerals, delivering 7 essential vitamins (A, C, D, E, Niacin, Folate, Biotin Calcium) and 3 key minerals (Zinc & Iron). This free-flowing powder is ≥ 90% water soluble, making it ideal for oral dosage forms and dietary supplements.

CZen-Iron™

is a proprietary *Murraya koenigii* extract with bio enhancing tools. This plant-based iron contains the co-factors to take care of the absorption. More than 90% water soluble extract. Vegan friendly green processing. Non GMO.

GZenZinc™

is a proprietary guava leaf extract standardized zinc and polyphenols (gallic acid equivalents). The extract is created through a green & vegan solvent extraction & temperature process. Water soluble.

SesZenBio™

A proprietary, all-natural *Sasbania grandiflora* extract, standardized to offer entirely plant based biotin.

CollaBZen™

Is a proprietary plant based collagen builder created from a blend of green tea, green coffee and amla, providing a highly efficient, vegan-friendly product. A free flowing, water soluble powder that is rich in green tea & green coffee polyphenols.

O = Organic C = Conventional K = Kosher



Bioactive Services Blends



Organic Ingredients

- Organic Berry Blend
- Organic Greens Blend
- Organic Greens Superfood Blend
- Organic Reds Blend
- Organic Grasses & Greens
- Organic Red Berry
- Organic Fruit
- Organic Superfoods
- Organic Superfoods & Probiotics
- Organic Foe
- Organic 10 Mushroom
- Organic KIDS
- Organic Vanilla Protein
- Organic Chocolate Protein
- Organic Lemonade
- Organic Passionfruit Lemonade
- Organic Pineapple Ginger Lemonade

Conventional Ingredients

- Berry Blend
- Grass Blend
- Greens Blend Green & Red Super Food
- Protein Blend
- Reds Blend
- Vegetable Blend
- Vanilla Protein w/ Vitamins & Minerals
- Chocolate Protein w/ Vitamins
- Minerals
- Greens Blend w/ Vitamins & Minerals
- Fruits & Berries
- Fiber & Prebiotic
- Detox
- Immune health
- Women's Prenatal
- Women's Postnatal
- SENIORS-Anti-Aging
- Neuro Tonic
- Gluten Free Pancake Mix
- Breakfast Bowl
- Avena Plus
- Caffeine Free Frappuccino
- Iced Barley Coffee
- Iced Matcha Latte
- Greens & Grasses

Ready to Ship House Blends



Organic Chocolate Protein Blend

Excellent source of protein and essential nutrients



Organic Vanilla Protein Soluble Blend

Natural, nutritious source of protein suitable for health-conscious individuals.



Organic Red Fruit Blend

Vibrant, fruity flavor and is packed with antioxidants, vitamins, and minerals to support overall health



Organic Greens Blend

Support overall health and well-being



Organic Fruit & Vegetable Blend

deliver essential vitamins, minerals, antioxidants, and dietary fiber, this blend supports overall health and wellness.

Crafting premium blends, one scoop at a time.

Formulations

- Anti Aging
- Avena Plus
- Breakfast Bowl
- Cardio
- Farm Stand
- Flex Blend
- Green Matcha Latte
- Immune Health
- Muscle Aid Blend
- Neuro Tonic
- Organic Chocolate Protein Blend
- Organic Fibre & Probiotics
- Organic Fruit Blend
- Organic Fuel Blend
- Organic Grasses & Greens
- Organic Kids Blend
- Organic Mushroom Blend
- Organic Pineapple Ginger Lemonade
- Organic Raspberry Lemonade
- Organic Red Berry
- Organic Strawberry Lemonade
- Organic Superfood and Probiotics
- Organic Vanilla Protein Blend
- Sleep Blend
- Stress Relief Blend
- Womens Postnatal
- Womens Prenatal

Formats

- Powders
- Pills
- Chewables
- Pudding
- Teas
- Smoothies
- Shakes
- Pet Nutrition
- Mocktails
- Hot Cafe Drinks
- Spice & Flavor Blends

Custom Crafted Functional Blends



Crafting premium blends, one scoop at a time.



Steam Sterilization

is a gentle, yet highly effective kill-step service for dry & powdered food ingredients. Using a proprietary, continuous moist-heat & dry steam process, we are able to deliver third party validated ≥ 5 log outcomes, without the use of chemicals or radiation. This system has been crafted to deliver highly efficient microbial reduction, while maintaining vibrancy of color, flavor, nutrition and texture.



Works with:

- Powder
- Piece
- Leaf
- Slice
- Crushed
- Chopped



Produces:

≥ 5 log outcomes



Complimentary Safety Measures:

- Rare Earth Magnets
- Metal Separators
- Sifters



Processing Capacities:

270 to 500 kg/hour
(dependent on various factors)



HACCP / FSMA / NSF/SQF Practices & Standards.

Validations by **Certified
Labs & Novolyze.**

No Chemicals
No Radiation All Natural

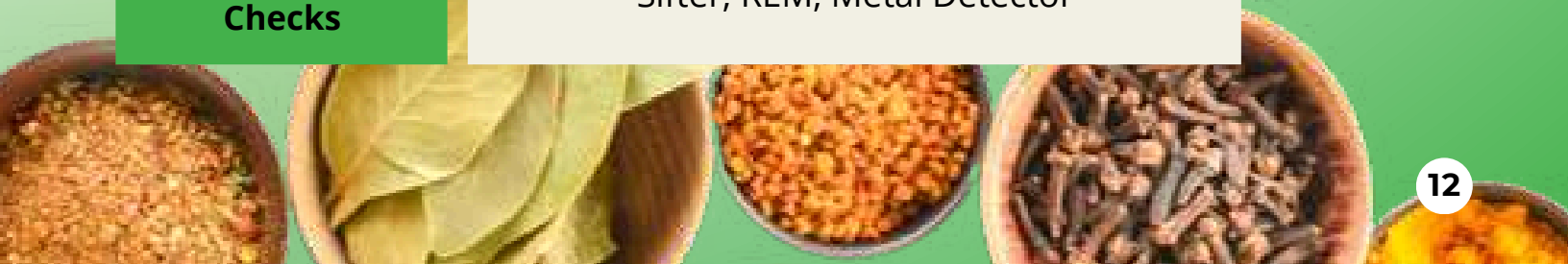


Why safe ingredient sterilization is important?

- ✔ **Traditional ingredient harvesting & transport create opportunities for microbial pathogen exposure.**
 - Ingredient contamination levels can be as high as 10 bil parts
- ✔ **Traditional ingredient processing has come under scrutiny.**
 - Ionizing radiation compromises color & flavor of ingredients with unclear long term health impacts.
 - Questions regarding safety outcomes of chemicals used in sterilization for food ingredients.

Processing Capacities & Capabilities

Capacity	270 - 500 kg/hour (varies by product)
Treatment Options	Roasting, Blanching, Sterilization, Drying
Ingredient Forms	Powder, Pieces, Slices, Whole, Leaves, Crushed, Chopped, Cut
Inline Quality Checks	Sifter, REM, Metal Detector

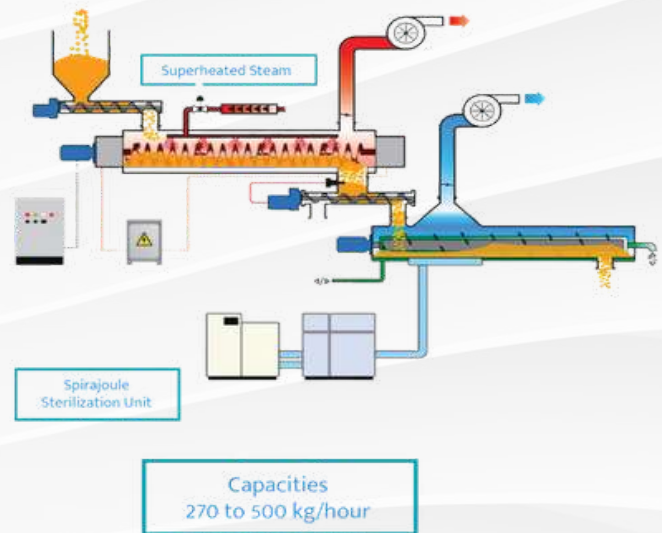


Value Added Services

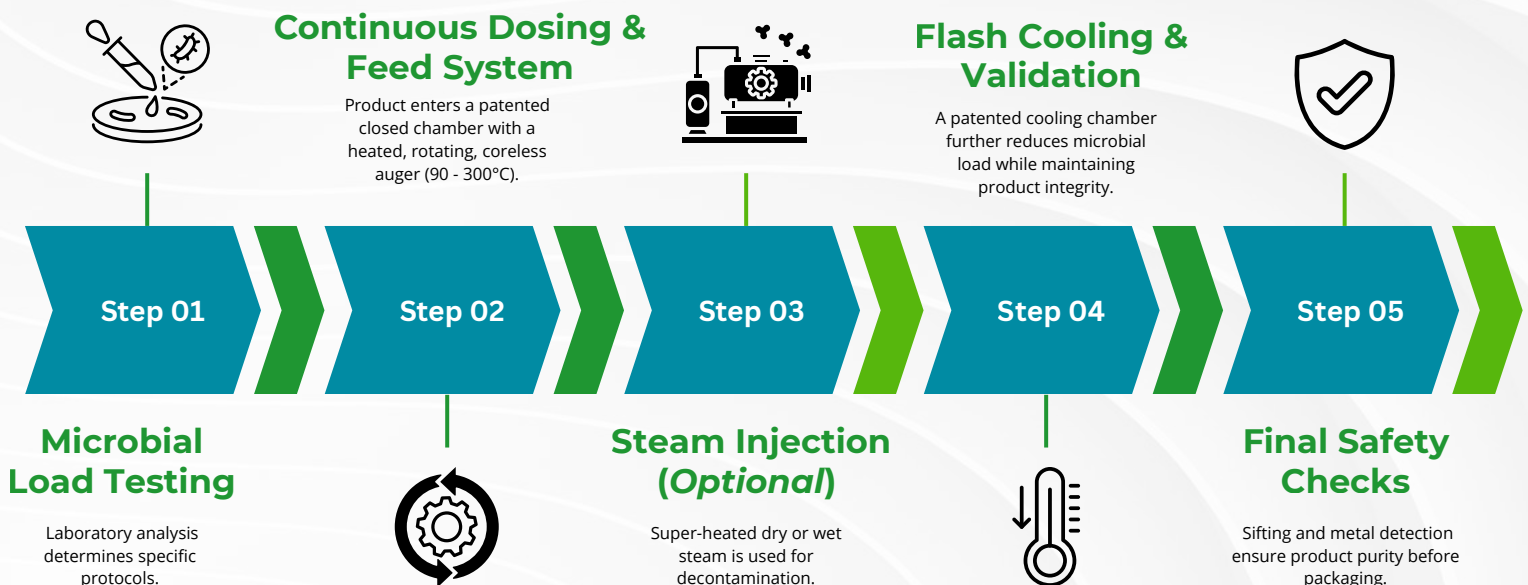
- Repackaging Options - 15kg to 500kg
- Magnetic Sifting & Screening
- Comprehensive Safety Certifications
- Gluten-Free & Low-Allergen Processing in Nevada
- No Chemicals, No Radiation, All Natural Processing

Available Services

- Microbiological & Pathogen Analysis
- Quality Assurance Testing
- Customized Treatment Solutions



Our Process



Bioactive - BATCH STERILIZATION

CAPABILITIES

- Steam sterilization for spices, herbs, nutraceuticals & botanicals
- PLC-controlled automated batch processing
- Uniform heating, holding & cooling
- Moisture & water activity control
- Traceability & validation ready
- MOQ can be **100 kg per Batch**





KEY FEATURES

- Third-Party Validation from Novolyze and Other Labs.
- Faster batch cycle time
- Reduced moisture pickup
- Improved grindability
- Lower cooling time
- Higher productivity per shift

BENEFITS

- 100% natural steam process
- Minimum 5-log to 6 Log pathogen reduction
- Better shelf life & color retention
- Lower operating cost per kg
- Export & global compliance ready

Reno	400 to 500 Tons per Month
NJ	400 to 500 Tons per Month



APPLICATIONS

- Spices
- Herbs
- Seeds
- Nutraceuticals
- Food ingredients



Toll blending

We offer Toll blending for dry or powdered ingredients.

We specialize in providing customized powdered ingredient blending services tailored to meet the unique needs of your business. Our state-of-the-art facilities and expert team ensure the highest quality standards and efficiency for every blend.

Capabilities

Capacity:	Batch/ Day
250Kg	2*
1000kg	2*
5000kg	1-2*

- *Depending on product density*

✓ Repacking Options (no additional cost)

- Recyclable Cardboard Boxes: 25 kg minimums
- Recyclable Paper Sacks: 25 kg minimums
- Polyethylene Super Sacks: 500 kg maximums



Packaging

powder packaging solutions

Comprehensive Packaging Solutions for Your Business

Our Packaging Capabilities

Jar Filling Services



Jar Sizes

- 100 grams - 900 grams

Jar Filling Specifications

- Fill Capacity: Minimum 100 grams
- Product Type: Powder
- Sealing: Induction sealing for secure, tamper-proof packaging



Production Capacity

- Semi-Automated Line: Up to 10,000 jars per day

Pouch Filling Services

Pouch Filling Specifications

- Pouch Sizes: Customizable to your requirements
- Product Type: Powder
- Sealing Options: Heat sealing for secure and durable closures
- Capacity Per Pouch: Adjustable based on product volume



Production Capacity

- **Semi-Automated Line: Up to 10,000 pouches per day**

Packaging Options

- Twin Pack
- Pouch Filling
- Stick Packs



Smart Pack Line

Stick pack packaging system

Smart Packaging for Growing Brands

Upgrade your powder packaging operations with the Bioactive Smart Pack Line – Stick Pack Packaging System, engineered for high-efficiency production of nutraceuticals, spices, and functional powders.



CAPACITY & PERFORMANCE

Up to 60,000 Stick Packs per Day

Filling Range: 1g – 15g

Bag Width: 20–140 mm

Bag Length: 30–175 mm

SS304 Hygienic Stainless Steel
Construction

PLC Smart Control with Touch Screen
Interface

Dual Machine High Output
Configuration Available

COMPLETE SUPPORT SERVICES

- Label Design Support
- Ingredient Embossing
- Organic & Other Certification Assistance
- Custom Film Supply as per Client Requirement
- Three Different Closing Seal Patterns
- Automated Counting & Carton Packing
- Customer Proprietary Carton Designs

Designed for accuracy, speed, and consistent sealing quality — ensuring every stick pack meets industry standards.



We Are Certified

At Bioactive Services, we are committed to maintaining the highest standards in food processing and powdered ingredient manufacturing. Our affiliations with leading industry organizations reflect our dedication to quality, safety, sustainability, and innovation. These partnerships ensure that we stay ahead of industry trends, comply with global regulations, and provide high-quality, certified ingredients to our customers.



Contact Information



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