

Watson Inc.

Experience | Technology | Service



Watson ... specialized facilities and preparation & processing equipment,
raw material expertise, and analytical instrumentation.



PROFILE



Vitamins, Minerals, Amino Acids, Fine Chemicals, Botanicals



Watson

Watson Inc. is one of the highest quality suppliers of products and services geared to enhancing human health and nutrition around the world. We are a leader in developing custom nutrient blends for the food and dietary supplement industries. Expertise in microencapsulation, agglomeration, micronizing, and spray drying allow us to develop unique formulations using Watson manufactured value-added ingredients.

Our Facilities

Watson Inc. is a third generation family-run business, founded in 1939. Our headquarters is located in West Haven, Connecticut. Our two modern 55,000 and 95,000 sq. ft. Connecticut facilities house our R&D, manufacturing, and analytical departments. We have an 80,000 sq. ft. manufacturing and distribution center in Taylorville, Illinois. We also have distribution warehouses in several international locations.

Quality Control

High quality control standards are maintained by Watson's state-of-the art analytical laboratory. Mineral and trace elemental analyses are supported by two ICP emission spectrometers and an ICP mass spectrometer. Vitamin, and supplement, are supported by eight HPLC systems, two UV spectrophotometers, and a dual beam IR spectrometer. A wide variety of specialized instrumentation, such as specific ion electrometers, particle size

classification, programmable viscometry, and auto-titration, are extensively employed in the quality control process. Identity testing is supported with NIR and FTIR equipment.

Research & Development

At Watson, we maintain four in-house research and development laboratories and pilot lab facilities for product development. The technical support group consists of a staff with either an MS or PhD in chemistry or food science, as well as fundamental training and applied expertise in human nutrition, protein chemistry, carbohydrate chemistry, surfactant and emulsion technology, enzymology, microbiology, and many application specialties such as gluten-free, low calorie, low fat, and meal replacement products. The group is nationally recognized as a leader in food enrichment and fortification.

CAPABILITIES

Premixes

Watson provides ingredients and custom blends to many industries, including dietary foods and supplements, infant formula, sports nutrition, meal replacement, beverages, and bakery. Since no one formula can meet all of our customers' requirements, each blend is custom formulated, taking into consideration its intended use, sensory evaluation, stability, and cost. Each active ingredient is tested in every blend before release. These nutrient blends include vitamins, minerals, amino acids, nutraceuticals, and Watson specialty ingredients.

Speciality Ingredients

Our expertise in fluid bed technology has allowed us to become a leader in supplying microencapsulated ingredients around the world. We can coat materials to mask flavor, enhance stability, or provide moisture barrier protection. We have a long list of microencapsulated nutritional products, and we can custom microencapsulate your product.

Our eight production fluidized beds run around the clock to provide instantized and agglomerated products. Instantizing can make powders more dispersible. Agglomeration can improve compressibility, content uniformity, disintegration, and dissolution while reducing friability.

Our specialty ingredients also include vitamin oil blends and spray dried products. Our expertise in the processing of beta carotene is unsurpassed.

Core Competencies

- Vitamin/Mineral Premixes
- Drum-to-Hopper Blends
- Spray Drying
- Hot Melt Granulation
- Agglomeration
- Micronizing
- Instantizing
- Microencapsulation
- Toll Manufacturing
- Wet/Dry Blending
- Trituration



Facilities Feature

- Hepa Filtration
- Humidity/Temperature Controlled Rooms
- Pilot Labs

Equipment List Includes

- Blenders from 1 kg to 5,000 kg
- Fluid Bed Coaters
- Edible Film Lines
- Fitzmills
- Micronizing Bead Mills
- Quick Sieve
- Co-Mill
- Pin Mills
- Jacketed Liquefiers
- Homogenizers
- Sifters
- Double Drum Dryers
- Mix Tanks

Evaluation Equipment Includes

- Mesh Size Analyzers
- Bulk Density Testers
- Coating Integrity Evaluators
- Tablet Presses
- Hardness Testers
- Moisture Analyzers

Analytical Instrumentation Include

HPLC, ICP, MS, NIR, FTIR, Colorimetry, UV Vis

Quality Systems

- Gluten-Free Certification through G.F.C.O.
- Oranogenic Certification through G.O.A.
- Trained HACCP & BRC Teams

WATSON LINE OF PRODUCTS

Vitamin/Mineral Fortification Customized Premixes

- Vitamins/Minerals
- Antioxidant Nutrients
- Amino Acids
- Nutraceuticals
- Mill Enrichment
- Dietary Fiber
- Protein Blends

Custom Microencapsulations

- Flavor/Odor Masking
- Stabilization
- Controlled Release
- Improved Compression
- Free Flowing
- Prevention of Moisture Pick-up

Films

- Edible Films
- Selective Barriers
- Delivery Systems
- Edible Glitter™

Bakery Ingredients

- Clean Label Solutions
- Softeners
- Shelf Life Extenders
- Oxidizing Systems
- Enzymes
- Dough Improvers
- Gluten-Free Mixes
- Natural Mold Inhibitors

At Watson, we have the raw material expertise and a wide spectrum of processing technologies, as well as advanced analytical instrumentation in a modern facility, to manufacture one of the widest ranges of specialty ingredients available for the food, dietary supplement, and nutritional markets.



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