

NUTRITIONAL POWDERS

VALUE-ADDED TECHNOLOGIES

✓ WE MAKE IT EASY

Synergy delivered...a convenient, powdered, high stability emulsion, where the functionality delivered to a nutritional product is greater than the sum of its parts. In addition, these highly functional systems help mask and compensate for the often negative flavor and stability impacts of other active ingredients like vitamins, herbs and minerals. These systems impart superior flavor, body, texture and appearance to a wide variety of end-use nutritional products including:

- Sports Nutrition
- Functional Beverages
- Meal Replacement/Diet Products
- Geriatric Products
- Medical Health Foods
- Dietary Supplements

SensoryEffects' unique pilot plant, quality control testing and processing capabilities allow for easy design, testing and validation of newly customized nutritional systems with the ability for spray drying, agglomerating, instantizing, reconstituting, steam jacketed/wet mixing, plate exchanger heating/cooling, ribbon dry blending, membrane processing and retorting.

★ FEATURES AND BENEFITS

With flexibility in system design and manipulation of the strength of the emulsion, SensoryEffects nutritional powders can bring many benefits to various nutritional products:

- Enhanced flavor, texture and creaminess
- Improved appearance, opacity and viscosity
- Added stability to finished product
- Controlled delivery and release of fat and other components
- Improved digestion, gut tolerance and bioavailability
- Dry convenient form, easy to incorporate into food and beverage systems



PRODUCT SELECTION CHART

Product Name	Fat/Oil Source(s)	Protein Source(s)	Carbohydrate Source(s)	Functional Ingredients	Nutritional Benefits
Centennial™ 73-Safflower CL	High Oleic Safflower	Skim Milk Solids	Skim Milk Solids (lactose)	High Oleic Safflower	Trans-fat free and low in saturated fat with high levels of mono and poly unsaturated fat better for heart health.
Jerzee® 50-Coconut/Sunflower HS5	Coconut/Sunflower	Casein	Fructans (Inulin/FOS)	Fructans (Inulin/FOS)	Trans-fat free, low in sugars and lowest carbohydrate impact creamer on glycemic load. Approx. 37% soluble fiber = good to excellent source of fiber. Fructans stimulates absorption of dietary calcium and displays prebiotic properties.
Jerzee® CWS 80 BX	High Oleic Sunflower	Casein	Maltodextrin	High Oleic Sunflower	Trans-fat free, low in sugars, and FDA health claim on unsaturated fat impacting cholesterol levels.
Jerzee® CWS-80 BXS/BXSC	High Oleic Sunflower Coconut	None	Maltodextrin	High Oleic Sunflower Coconut	No protein, stable in low pH (acidic) systems. Trans-fat free, low in sugars. FDA health claim on unsaturated fat impacting cholesterol levels for the sunflower oil product.
Jerzee® CWS-MCT	Medium Chain Triglycerides	Casein	Maltodextrin	Medium Chain Triglycerides	Trans-fat free, low in sugars: MCT allows for quicker fat absorption and utilization in body, a caloric dense fat that only elicits a small insulin response, delivers a boost of energy and increases endurance.
Jerzee® Organic 35-Palm	Organic Palm	Organic Skim Milk Solids	Organic Rice Syrup Solids and Organic Sugar	Organic Lecithin	Trans-fat free dairy-based Organic creamer with excellent creaming properties.
Jerzee® 50-Specialty Blend	MCT, safflower, borage, evening primrose, flax and olive oils	Casein	Maltodextrin	Oil Blend	A 50% fat creamer made with a healthful and functional blend of MCT, safflower, borage, evening primrose, flax and olive oils and can be used as a trans-fat free creamer base for nutritional applications.
RICHMIX® Sun 50 MD	High Oleic Sunflower	Casein	Maltodextrin	High Oleic Sunflower	Trans-fat free, low in sugars, and FDA health claim on unsaturated fat impacting cholesterol levels.
Vital Blend Nutritional Base	Sunflower	Casein	None	Protein, High Oleic Sunflower	Trans-fat free, useful in emulsion-based products requiring a higher level of stable protein.
Jerzee® 50 Sunflower HP-CL	Sunflower	Pea Protein	Maltodextrin	Pea Protein	Pea protein creamer is clean label, high in protein, and dairy and soy allergen-free. Suitable for Vegan applications.