



Graham Chemical has proudly served the food technology industry for more than 15 years. In that time, we've distinguished ourselves as an innovative specialty food ingredient distributor, and we've been recognized for leading the industry in focused technical and customer service.

What else sets us apart?

Our international sourcing is unsurpassed. We literally go to the ends of the earth to develop relationships with producers and shippers at the source of hard-to-find materials, so that we can offer a comprehensive portfolio of ingredients from the world's leading producers.

Thanks to a vast network of partner shipping locations, our quality food ingredients are stocked locally. This means that our clients have products readily available, ordered and delivered efficiently and seamlessly.

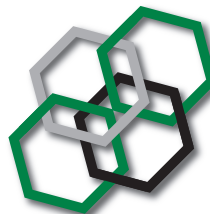
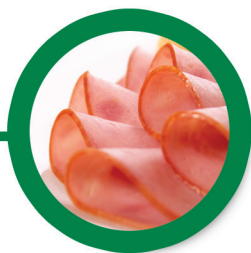
Graham Chemical offers manufacturing services to include food grade blending and grinding. We have the ability to blend both dry and liquid ingredients and will do so according to your formulation. You may choose our full-service grinding to meet your custom mesh requirements, or take advantage of our turnkey solutions in which we supply the ingredients, do the blending and deliver the finished product to you.

Whatever your food ingredient needs, we will deliver a superior product customized to your specifications. Our customer service team will ensure your ultimate satisfaction in every aspect of our relationship.

Graham Chemical thanks the Institute of Food Technologists for its impact on the food science industry. We are pleased to support your efforts to create a dynamic global forum for members of our community to share and learn. As a Gold Sponsor of the December IFT dinner, we pledge our commitment to your vision of providing each and every person access to a safe and abundant food supply.

Attached you will find a brief overview of our product offerings. For more information on our products and services, please contact us.

Graham Chemical
1250 South Grove Avenue
Suite 206
Barrington, Illinois 60010
Phone: (847) 304-4400
Fax: (847) 304-8752
Website: www.grahamchemical.com



Graham Chemical™
Your Link to Specialty Chemicals™

Acidulant / Buffering Agents

Acetic Acid
Citric Acid
Fumaric Acid
Lactic Acid
Malic Acid
Phosphoric Acid
Potassium Bitartrate
(Cream of Tartar)
Potassium Citrate
Sodium Citrate
Tartaric Acid

Amino Acids / Supplements

Alpha Ketoglutaric Acid
Beta Alanine
Caffeine
DL-Phenylalanine
L-Alanine
L-Arginine
L-Asparagine
L-Aspartic Acid
L-Carnitine
L-Citrulline
L-Cysteine
L-Glutamic Acid
L-Glutamine
L-Glutathione
L-Histidine
L-Isoleucine
L-Leucine
L-Lysine
L-Methionine
L-Ornithine
L-Phenylalanine
L-Proline
L-Serine
Taurine
L-Theanine
L-Threonine
L-Valine
N-Acetyl-L-Cysteine
N-Acetyl-L-Tyrosine

Anticaking Agents

Tricalcium Phosphate
Silicon Dioxide

Antifoam Agents

Silicone Antifoam Agents
Non Silicone Antifoam Agents

Antioxidants / Preservatives

Ascorbic Acid
Benzoic Acid
BHA
BHT
Calcium Propionate
Erythorbic Acid
Natamycin
Nisin
Potassium Lactate
Potassium Sorbate
Sodium Acetate
Sodium Ascorbate
Sodium Benzoate
Sodium Diacetate
Sodium Erythorbate
Sodium Lactate
Sodium Propionate
Sorbic Acid
TBHQ

Aroma / Essential Oils

Anise Oil
Butyric Acid
Cinnamic Aldehyde
Ethyl Acetate
Ethyl Butyrate
Ethyl Lactate
Ethyl Maltol
Ethyl Propionate
Ethyl Vanillin
Lemon Oil
Lemon Terpenes
Lime Oil
Lime Terpenes
Maltol
Methyl Salicylate
Orange Oil
Orange Terpenes
Vanillin

Bleaching Agents

Hydrogen Peroxide
Benzoyl Peroxide

Caseinates

Acid & Rennet Casein
Calcium & Sodium Caseinate (including blends of the two)
Calcium Caseinate
Sodium Caseinate

Calcium Supplements

Calcium Citrate
Dicalcium Phosphate
Monocalcium Phosphate
Tricalcium Phosphate

Colors

Beta Carotene
Titanium Dioxide

Emulsifiers

Glyceryl Monostearate
Mono - and Diglycerides
Glyceryl Monolaurate
Capryl Monoglyceride
Octyl and Decyl Glycerate
Acetylated Mono- and Diglycerides (ACETEM)
Lactic Acid Esters of Mono- and Diglycerides (LACTEM)
Citric Acid Esters of Mono- and Diglycerides (CITREM)
Diacyl Tartaric Acid Esters of Mono- and Diglycerides (DATEM)
Succinylated Mono- and Diglycerides (SMG)
Polyglycerol Esters (PGE)
Polyglycerol Polyrinoleate (PGPR)
Ethoxylated Mono- and Diglycerides (PEG(20))
Sodium Stearoyl Lactylate (SSL)
Calcium Stearoyl Lactylate (CSL)
Calcium-Stearoyl Lactylate (CSL-SSL)
Sorbitan Monolaurate (SPAN 20)
Sorbitan Monostearate (SPAN 60)
Sorbitan Tristearate (SPAN 65)
Sorbitan Monooleate (SPAN 80)
Polysorbate 20 (TWEEN 20)
Polysorbate 60 (TWEEN 60)
Polysorbate 65 (TWEEN 65)
Polysorbate 80 (TWEEN 80)

Flavor Enhancers

Adipic Acid
I + G
MSG
Sodium Acetate
Sodium Diacetate
Tannic Acid

www.grahamchemical.com

847-304-4400



Humectants

Glycerine
Lactic Acid
Maltitol
Propylene Glycol
Sorbitol
Triacetin
Xylitol

Hydrocolloids / Thickeners

Agar Agar
Carboxymethylcellulose
Carrageenan
Corn Starch
Guar Gum
Gum Acacia
Gum Arabic
Pectin
Potato Starch
Rice Starch
Sodium Alginate
Tapioca Dextrin
Tapioca Starch
Wheat Starch
Xanthan Gum

Lactates

Lactic Acid 50%
Lactic Acid 80%
Lactic Acid 88%
Lactic Acid 90%
Calcium Lactate
Ethyl Lactate
Ferrous Lactate
Magnesium Lactate
Potassium Lactate 60%
Sodium Lactate 60%
Zinc Lactate
Buffered Lactic Acid
Lactic Acid powder 55%
Lactic Acid powder 60%
Potassium Lactate and Potassium Acetate Blend
Potassium Lactate and Sodium Acetate Blend
Potassium Lactate and Sodium Diacetate Blend
Sodium Lactate and Potassium Acetate Blend
Sodium Lactate and Potassium Lactate Blend
Sodium Lactate and Sodium Acetate Blend
Sodium Lactate and Sodium Diacetate Blend

Leavening Agents

Baking Powder
Baking Soda (Sodium Bicarbonate)
Cream of Tartar
Monocalcium Phosphate (MCP)
Sodium Acid Pyrophosphate (SAPP)

Milk Products

Non Fat (Skim) Milk
Non Fat Dairy Milk Low Heat Extra Grade
Non Fat Dairy Milk Low Heat Grade A
Non Fat Dairy Milk Medium Heat Extra Grade
Non Fat Dairy Milk Medium Heat Grade A
Non Fat Dairy Milk High Heat Extra Grade
Non Fat Dairy Milk High Heat Grade A
Dry Whole Milk (DWM)
Buttermilk Powders
Buttermilk Solids
Milk Protein Concentrate 5140
Milk Protein Concentrate 56
Milk Protein Concentrate 70
Milk Protein Concentrate 80
Milk Protein Concentrate 85
Milk Protein Isolate 90
Fat-Filled Milk Powder
Skim Milk Powder
Skim Milk Powder Low Heat
Skim Milk Powder Medium Heat

Phosphates

Diammonium Phosphate (DAP)
Dipotassium Phosphate (DKP)
Disodium Phosphate (DSP)
Monoammonium Phosphate (MAP)
Monocalcium Phosphate (MCP)
Monosodium Phosphate (MSP)
Potassium Triphosphate (KTPP)
Sodium Acid Pyrophosphate (SAPP)
Sodium Aluminum Phosphate (SALP)
Sodium Hexametaphosphate (SHMP)
Sodium Triphosphate (STPP)
Tetrapotassium Pyrophosphate (TKPP)
Tetrasodium Pyrophosphate (TSPP)
Tricalcium Phosphate (TCP)
Trisodium Phosphate (TSP)
Phosphate Blends - Bakery
Phosphate Blends - Dairy
Phosphate Blends - Meat
Phosphate Blends - Seafood

Proteins

Corn Gluten
Hydrolyzed Wheat Protein
Pea Protein
Potato Protein
Soy Protein
Vital Wheat Gluten

Release Agents

Bakery Pan Release Agent
Conveyor Release Agent

Sequestrant

Glucono Delta Lactone
Sodium Gluconate
Sodium Hexametaphosphate
Sodium Citrate

Sweeteners

Acesulfame K
Aspartame
Calcium Saccharin
Dextrose
Fructose
Glucose
Maltitol
Maltodextrin
Maltose
Sodium Saccharin
Sorbitol
Sucralose
Sucrose
Xylitol

Vitamins

Vitamin A (Retinol)
Vitamin B1 (Thiamine)
Vitamin B2 (Riboflavin)
Vitamin B3 (Nicotinic Acid)
Vitamin B6 (Pyridoxine)
Vitamin B12 (Cyanocobalamin)
Vitamin C (Ascorbic Acid)
Vitamin D2 (Calciferol)
Vitamin D3 (Cholecalciferol)
Vitamin E 50% Spray Dried (Alpha-Tocopherol)
Vitamin E 93%, 96%, 98% (Alpha-Tocopherol)
Vitamin H (Biotin)
Vitamin K1 (Phylloquinone)
Vitamin K3 (Menadione)

Whey Products

Sweet Whey Powder
Acid Whey Powder
Deproteinized Whey Powder (Permeate)
Reduced Minerals Whey (RMW)
Reduced Lactose Whey (RLW)
Whey Protein Concentrate (WPC)
Whey Protein Isolate (WPI)
Whey Protein Hydrolysates
Lactose (Milk Sugar)