



# Trace Element Triturations

## —Customized for Superior Dispersion and Stability



## ABOUT

Our Trace Element Triturations are engineered for accuracy and ease. Using micro-fine de-agglomeration, we create uniformly dispersed nutrients in inert carriers tailored to your application. We offer soluble or insoluble options such as maltodextrin, calcium carbonate, dicalcium phosphate, or microcrystalline cellulose. Available for elements like selenium, chromium, molybdenum, and iodine at the concentration you need, they enable safe handling, reduced toxicity risk (especially for selenium), and precise, repeatable dosing with excellent homogeneity. Designed for seamless processing, our triturations integrate directly into infant formula, foods for special medical purposes, dietary supplements, and other demanding applications.

## Benefits

- **Superior Blending**  
Get perfect mixing and uniform blend homogeneity every time.
- **Enhanced Stability**  
Our triturations ensure your products stay stable with an extended shelf life.
- **Better Taste & Appearance**  
Improve your product's sensory experience by masking unwanted flavors and odors while eliminating speckling for consistent color.
- **Safer with Lower Physical Toxicity**  
Our triturations make trace elements safer to handle, ensuring a safer final product, especially with selenium.



# Our Advantages

- **Proven Expertise**

26 years of experience in custom trituration formulation and manufacturing.

- **Diverse Portfolio**

Over 30 mature formulations covering 12 essential elements, ensuring a perfect fit for your specific needs.

- **Tailored for You**

Our customizable service allows us to adjust the active-to-carrier ratio to optimize your batch size and process efficiency.

## Applications



## Product Catalog

NUTRIENTS		SPECIFICATIONS
Iron (Fe)	Ferrous Sulfate	3%/6%Fe, Maltodextrin Powder Carrier
	Ferric Pyrophosphate	11%Fe, Maltodextrin Powder Carrier
Zinc (Zn)	Zinc Sulfate	3%Zn, Maltodextrin Powder Carrier
Manganese (Mn)	Manganese Sulfate	0.1%Mn, Maltodextrin Powder Carrier
Copper (Cu)	Copper Gluconate	1.4%Cu, Maltodextrin Powder Carrier
	Copper Sulfate	1.5%/5%Cu, Maltodextrin/Glucose Syrup Powder Carrier
Iodine (I)	Potassium Iodate	0.25%I, Maltodextrin Powder Carrier
	Potassium Iodide	0.5%/1.05%/10.5%KI, Maltodextrin Powder Carrier
Choline	Choline Chloride	11%Choline (as Choline Hydroxide), Maltodextrin Powder Carrier
Selenium (Se)	Sodium Selenite	0.45%/0.5%/1%Se, Maltodextrin/Lactose/Calcium Carbonate/Microcrystalline Cellulose Powder Carrier
	L-(+)-Selenomethionine	0.5%Se, Dicalcium Phosphate Powder Carrier
Chromium (Cr)	Chromium Chloride	0.1%/1%/2%Cr, Maltodextrin Powder Carrier
	Chromium Picolinate	5%Cr, Calcium Carbonate Powder Carrier
Molybdenum (Mo)	Sodium Molybdate	0.04%/1%Mo, Maltodextrin Powder Carrier
	Ammonium Molybdate	1%Mo, Maltodextrin Powder Carrier
Folic Acid	Folic Acid	10%Folic Acid, Maltodextrin Powder Carrier
Biotin	D-Biotin	1%D-Biotin, Maltodextrin Powder Carrier
Vitamin B	VB1	5%VB1, Maltodextrin Powder Carrier
	VB6	5%VB6, Maltodextrin Powder Carrier
	VB12	0.1%/1%VB12, Maltodextrin Powder Carrier

Beyond offering our standard products, we customize the active-to-carrier ratio to suit your needs

