



**JOST CHEMICAL CO.**

**Manufacturer  
of High Purity  
Chemicals**

**C A T A L O G**

## Getting it right – down to every detail.

Jost Chemical Co. is an FDA-registered cGMP manufacturer of high purity specialty chemicals for pharmaceutical, biotech, nutritional, food and other markets. For more than 30 years, Jost Chemical has been committed to providing customers with the best products and service available. We now lead the industry in the manufacture of high purity chemicals, though our mission remains the same: quality, delivered on time. Our staff takes pride in meeting every customer requirement, while striving to exceed their expectations.

### Manufacturing pure quality.

At Jost, every one of our 250+ high purity chemicals are made and tested on site at our FDA-registered facilities. Our products are lot-to-lot consistent, fully traceable from raw material to final packaging, fully reacted, BSE/TSE free, and exhibit extremely low levels of vagrant metals (reported with ICP-MS). We also offer particle size options, from granulated to ultrafine powder.

We proudly manufacture every product in accordance with the Food and Drug Administration's ICH Q7 cGMP regulatory standard for ensuring quality and purity in bulk pharmaceuticals. Our products are also engineered to meet or exceed multi-compendial monographs, such as USP, EP, BP, JP, ACS, NF and FCC. These practices affirm our commitment to producing the best high purity chemicals available.

Jost continues to drive business toward new frontiers. Our popular innovations include an exclusive line of Ultra Pure calcium salts and our Jostcote® microencapsulated mineral salts. Jost also exports to over 60 countries, and our sales presence now spans Europe and Asia.

### Values that matter

From the board room to the lab to the production floor, the dedicated experts at Jost Chemical take pride in what we do. Our dedicated staff committed to quality and customer service, offering hands-on technical support and customized solutions. To maintain excellence throughout the company, we follow these guiding principles:

- Put customers first.
- Maintain a professional, knowledgeable staff that strives for excellence.
- Promote safety, health, and responsibility.
- Inspire trust, integrity and credibility.
- Solve challenges creatively.
- Bravely innovate at every opportunity.



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Ammonium



## Ammonium

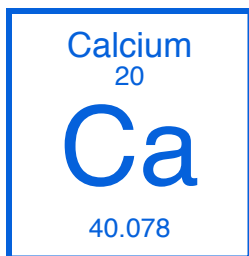
Jost Chemical Co. manufactures a range of high purity ammonium phosphates, sulfates and citrates. Ammonium phosphates can be used as laboratory reagents or as buffers. Ammonium citrates can be used as buffers, for electronic etching, as analytical reagents, and as a starter material for culture media.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Ammonium Phosphate Monobasic	ACS Crystals	2020
Ammonium Phosphate Dibasic	ACS Granulated	2024
Ammonium Phosphate Dibasic	ACS Crystals	2025
Ammonium Phosphate Dibasic	NF Crystals	2026
Ammonium Sulfate	ACS Crystals	2030
Ammonium Sulfate	NF Crystals	2031
Ammonium Sulfate	ACS Granulated	2032
Ammonium Sulfate	NF Granulated	2033
Ammonium Citrate Tribasic	FCC Granular	2040
Ammonium Citrate Dibasic	ACS Granular	2045
Ammonium Citrate Dibasic	FCC Granular	2046
Ammonium Citrate Dibasic	Technical Granular	2047
Ammonium Citrate Dibasic	25% Aqueous Solution	6047
Ammonium Citrate Dibasic	40% Aqueous Solution	6050
Ammonium Citrate Dibasic	50% Aqueous Solution	6048









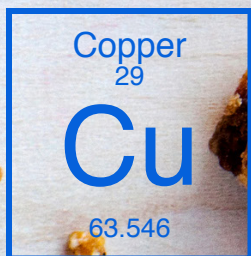
## Calcium

Most manufacturers a range of high purity citrates, fumarates, formates, malates, lactates and phosphates that can be used in dietary supplements, nutrients and pharmaceutical applications. Calcium is vital for strong bone and teeth formation. It also helps to maintain a regular heartbeat and transmission of nerve impulses.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Calcium Citrate Tetrahydrate	USP Powder	2229
Calcium Citrate Tetrahydrate	FCC Powder	2230
Calcium Citrate Tetrahydrate	USP Ultrafine Powder	2231
Calcium Citrate Tetrahydrate	USP Fine Granular	2232
Calcium Citrate Tetrahydrate	FCC Fine Granular	2233
Calcium Citrate Tetrahydrate	FCC Powder	2234
Calcium Magnesium Citrate	Purified Powder	2200
Calcium Magnesium Citrate	Purified Granular	2206
Calcium Citrate Malate	Fine Granular	2236
Calcium Citrate Malate	USP Fine Granular	2188
Calcium Citrate Malate	Powder	2238
Calcium Fumarate Anhydrous,	Purified Fine Granular	2252
Calcium Lactate Anhydrous	USP Powder	2261
Calcium Malate	Purified Powder	2237
Calcium Malate	Purified Granular	2239
Calcium Succinate	USP Powder	2255
Calcium Formate	Purified Powder	2207

### Low Aluminum Calcium Products

Calcium Carbonate	USP/EP, E170 Fine Granular	2218
Calcium Citrate Tetrahydrate	USP Granular - Low Aluminum	2248
Calcium Citrate Tetrahydrate	USP Low Aluminum Ultrafine Powder	2249
Calcium Hydroxide	FCC Low Aluminum Powder	2242
Calcium Hydroxide	USP Low Aluminum Powder	2210
Calcium Phosphate Dibasic Anhydrous	USP, Low Al, Ultrafine Powder	2278
Calcium Phosphate Tribasic (TCP)	NF / EP, Low Aluminum, Ultrafine Powder	2264
Calcium Phosphate Tribasic (TCP)	NF, Fine Granular, Low Aluminum	2267
Calcium Phosphate Tribasic (TCP)	FCC, Low Aluminum, Ultrafine powder	2269



## Copper

Jost manufactures a range of high purity citrates, gluconates, sulfates and oxides that can be used in dietary supplements, nutrients, and pharmaceutical applications. Copper aids in the absorption of iron, the formation of red blood cells, and the proper bone formation and maintenance.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Basic Copper Carbonate	Purified Granular	2310
Copper Citrate Hemitrihydrate	Powder	2282
Copper Gluconate	USP Powder	2290
Cupric Oxide	Purified Powder	2283
Cupric Sulfate Anhydrous	USP Powder	2298
Cupric Sulfate Pentahydrate	USP/EP Crystals	2296
Cupric Sulfate Pentahydrate	USP Powder	2301





## Iron

Jost manufactures a range of high purity citrates, gluconates, fumarates, and lactates that can be used in dietary supplements, nutrients, and pharmaceutical applications. Iron has a vital function in combining with protein and copper to make hemoglobin. Iron also prevents fatigue and promotes good skin tone.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Ferric Ammonium Citrate	FCC, Green Powder	2390
Ferric Ammonium Citrate	FCC, Brown Powder	2391
Ferric Ammonium Citrate	Red (BP 73) Powder	2392
Ferric Ammonium Citrate	USP Brown Powder	2399
Ferric Ammonium Citrate	Red (BP 73) 60% Aqueous Solution	6392
Ferric Citrate	Purified Powder	2368
Ferric Phosphate Hydrate (Ferric Orthophosphate)	FCC Powder	2354
Ferrous Ammonium Sulfate	Purified Crystal	2400
Ferrous Citrate Dibasic	Purified Powder	2375
Ferrous Gluconate	USP/FCC Granular	2385
Ferrous Gluconate	USP/FCC Powder	2387
Ferrous Gluconate	USP/FCC Granular (-14 + 60)	2388
Ferrous Gluconate	EP Powder	2397
Ferrous Lactate Dihydrate	FCC Fine Granular	2396
Ferrous Lactate Dihydrate	FCC Powder	2398
Ferrous Sulfate Dried	USP/FCC Powder	2421





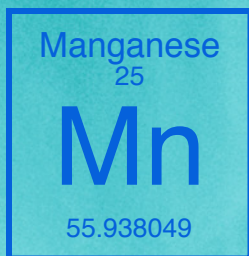


## Magnesium

Jost Chemical Co. manufactures a range of high purity ascorbates, aspartates, citrates, gluconates, lactates, phosphates and sulfates that can be used in dietary supplements, nutrients, and pharmaceutical applications. Magnesium plays a vital role in regulating the neuromuscular activity of the heart, converts blood sugar to energy and is necessary for calcium and vitamin C metabolism.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Magnesium Ascorbate	Purified Fine Granular	2539
Magnesium Aspartate Dibasic	Powder	2520
Magnesium Citrate Tribasic Hydrate	USP Fine Granular	2542
Magnesium Citrate Tribasic Hydrate	USP Powder	2544
Magnesium Citrate Tribasic Hydrate	USP Ultrafine Powder	2535
Magnesium Citrate Tribasic Anhydrous	USP Granular	2549
Calcium Magnesium Citrate	Purified Powder	2200
Calcium Magnesium Citrate	Purified Granular	2206
Magnesium Gluconate	USP Powder	2559
Magnesium Gluconate	USP Granular	2567
Magnesium Glycinate	Purified Powder	2593
Magnesium Lactate Anhydrous	Purified Granular	2528
Magnesium Lactate Anhydrous	Purified Powder	2529
Magnesium Lactate Dihydrate	EP Powder	2530
Magnesium Lactate Dihydrate	EP Granular	2531
Magnesium Malate Trihydrate	Purified Fine Granular	2557
Magnesium Phosphate Dibasic	FCC Powder	2560
Magnesium Phosphate Dibasic	FCC Granular	2561
Magnesium Phosphate Dibasic	FCC Ultrafine Powder	2562
Magnesium Phosphate Tribasic	USP Granular	2553
Magnesium Phosphate Tribasic Pentahydrate	USP Powder	2563
Magnesium Phosphate Tribasic Pentahydrate	FCC Powder	2565
Magnesium Sulfate Anhydrous	USP Powder	2592
Magnesium Sulfate Dried	USP Granular	2591
Magnesium Sulfate Heptahydrate	USP Granular	2589

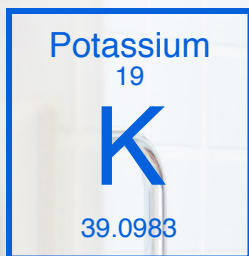




## Manganese

Jost Chemical Co. manufactures a range of high purity ascorbates, citrates, gluconates, lactates and sulfates that can be used in dietary supplements, nutrients, pharmaceutical applications and laboratory reagents. Manganese is important in the breakdown of amino acids and the production of energy. It activates various enzymes for proper digestion and utilization of foods. Manganese also helps nourish the nerves and brain and is necessary for normal skeletal development.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Manganese Ascorbate	Powder	2580
Manganese Citrate	FCC Powder	2569
Manganese Gluconate Dihydrate	USP/FCC Fine Granular	2573
Manganese Gluconate Dihydrate	USP/FCC Fine Powder	2576
Manganese Lactate	Purified Crystals	2568
Manganese Sulfate Monohydrate	USP Fine Granular	2570
Manganese Sulfate Monohydrate	USP/FCC Fine Powder	2571
Manganese Sulfate Monohydrate	FCC Granular	2574
Manganese Sulfate Monohydrate	ACS Fine Powder	2577
Manganese Sulfate Monohydrate	USP/EP Fine Powder	2578



## Potassium

Jost manufactures a range of high purity nitrates, phosphates and sulfates that can be used in nutritional supplements, pharmaceuticals, oral care products, buffers and laboratory reagents. Potassium works with sodium to normalize heart rhythms and to regulate the body's waste balance. It also preserves proper alkalinity of body fluids and assists in reducing high blood pressure.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Potassium Gluconate Anhydrous	USP Granular	2655
Potassium Nitrate	ACS Crystals	3660
Potassium Nitrate	FCC Crystals	3661
Potassium Nitrate	USP/EP Granulated	2999
Potassium Nitrate	USP Crystals	3665
Potassium Phosphate Dibasic	USP Fine Granular	2665
Potassium Phosphate Dibasic	USP Powder	2666
Potassium Phosphate Dibasic Anhydrous	ACS Fine Granular	2671
Potassium Phosphate Monobasic	ACS Powder	2669
Potassium Phosphate Monobasic	ACS Crystals	2670
Potassium Phosphate Monobasic	NF Crystals	2672
Potassium Phosphate Monobasic	NF Powder	2675
Potassium Sulfate	ACS Crystals	2680
Potassium Sulfate	ACS Powder	2681
Potassium Sulfate	FCC Granular	2682
Potassium Sulfate	FCC Powder	2683
Potassium Sulfate	EP Granular	2684
Potassium Sulfate	EP Powder	2688





Sodium  
11  
**Na**  
22.989770

## Sodium

Jost Chemical Co. manufactures a range of high purity acetates, carbonates, nitrates, phosphates and sulfates that can be used in nutritional supplements, pharmaceuticals, oral care products, buffering agents, food preservatives and laboratory reagents. Sodium is required for nerve and muscle functioning.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Sodium Acetate Trihydrate	USP/EP Granular	2719
Sodium Acetate Trihydrate	USP/EP/JP Granular	2718
Sodium Bisulfate Monohydrate	Reagent Crystals	2741
Sodium Caprylate	Powder	2744
Sodium Caprylate	NF/EP Powder	2743
Sodium Carbonate Anhydrous	NF/EP/JP Fine Granular	2745
Sodium Carbonate Anhydrous	NF/EP/FCC Fine Granular	2746
Sodium Carbonate Anhydrous	ACS Fine Granular	2750
Sodium Carbonate Anhydrous	NF/EP Fine Powder	2752
Sodium Carbonate Anhydrous	NF/ACS Powder	2754
Sodium Carbonate Monohydrate	NF/EP Granular	2753
Sodium Carbonate Monohydrate	NF/EP Powder	2758
Sodium Carbonate Monohydrate	ACS Granular	2757
Sodium Formate	Purified Granular	2728
Sodium Formate	Purified Granulated	2729
Sodium Nitrate	ACS Crystals	3770
Sodium Nitrate	FCC Crystals	3771
Sodium Nitrate	FCC Granulated	3773
Sodium Phosphate Monobasic Anhydrous	USP Granular	2761
Sodium Phosphate Monobasic Monohydrate	ACS Granular	2765
Sodium Phosphate Monobasic Monohydrate	USP Granular	2766
Sodium Phosphate Dibasic Anhydrous	ACS Granular	2770
Sodium Phosphate Dibasic Anhydrous	USP Granular	2771
Sodium Phosphate Dibasic Dihydrate	USP Granular	2775
Sodium Phosphate Dibasic Heptahydrate	USP Granular	2780
Sodium Phosphate Dibasic Heptahydrate	ACS/USP Granular	2781
Sodium Phosphate Tribasic Dodecahydrate	ACS Granular	2783
Sodium Pyrophosphate Decahydrate	ACS Crystals	2511
Sodium Succinate Anhydrous	Purified Powder	2791
Sodium Sulfate Anhydrous	ACS Powder (-200 Mesh)	2792
Sodium Sulfate Anhydrous	ACS Powder (-60 Mesh)	2793
Sodium Sulfate Anhydrous	USP Crystals	2794
Sodium Sulfate Anhydrous	ACS Crystals	2795
Sodium Sulfate Anhydrous	USP/EP Powder (Nominally - 200 Mesh)	2800
Sodium Sulfate Decahydrate	ACS Crystals	2798





## Strontium

Jost manufactures high purity nitrates that can be used in laboratory reagents and precision industrial applications.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Strontium Nitrate	ACS Crystal	2821



## Zinc

Jost manufactures high purity acetates, ascorbates, citrates, gluconates, glycinate, lactates, oxides, phosphates and sulfates that can be used in dietary supplements, nutrients and oral care products. Zinc is an important antioxidant nutrient. It is necessary for protein synthesis, wound healing, blood stability, normal tissue function, and aids in the digestion and metabolism of phosphorus. Zinc also governs the contractility of muscles and maintains the body's alkaline balance.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Zinc Acetate Dihydrate	USP/FCC Granular	2920
Zinc Bisglycinate Monohydrate	Purified Powder	2961
Zinc Citrate Dihydrate	USP Low Lead Fine Granular	2940
Zinc Citrate Dihydrate	USP Low Lead Powder	2941
Zinc Citrate Dihydrate	USP Fine Granular	2951
Zinc Citrate Dihydrate	USP Powder	2953
Zinc Gluconate	USP Granular	2959
Zinc Gluconate	USP Powder	2960
Zinc Lactate Dihydrate	Purified Powder	2963
Zinc Lactate Dihydrate	Purified Granular	2964
Zinc Oxide	USP Low Lead Powder	2980
Zinc Phosphate Tribasic Tetrahydrate	Purified Powder	2987
Zinc Sulfate Heptahydrate	USP Granular	2992
Zinc Sulfate Monohydrate	USP Powder	2989





## Ultra Pure, Low Pb/As/Cd/Hg

When customers came to us seeking new opportunities in the nutritional and pharmaceutical markets, where products need to be virtually free of vagrant metals, our scientists responded by cranking up the purity and turning down the heavy metals. Jost Chemical innovated a new technology for producing extra-high purity calcium salts that exhibit extremely low levels of Al, Pb, Mn, Fe and other vagrant metals – rendering them up to 50 times more pure than similar products on the market.

While the USP and FCC have established limits for these metals, we found that many applications demand an ever lower content. That's why Jost tests for a host of additional critical impurities beyond the USP/FCC monographs. With a maximum of 1 ppm for Pb, As, and Cd, and a maximum of 0.1 ppm for Hg, Ultra Pure products also meet European Regulation 231/2012 and the expected ICH and USP elemental impurity guidelines.

<i>Name</i>	<i>Description</i>	<i>Product Code</i>
Calcium Citrate Tetrahydrate	USP Low HM Fine Granular	2201
Calcium Citrate Tetrahydrate	Low HM Fine Granular	2213
Calcium Citrate Tetrahydrate	USP Low HM Powder	2214
Calcium Hydroxide	FCC, Low Aluminum, EC231/2012, Low HM Powder	2219
Calcium Phosphate Tribasic	FCC, E341 (iii) Low HM Ultrafine Powder	2169
Copper Gluconate	USP Low HM Powder	2300
Cupric Oxide	Purified Low HM Powder	2308
Cupric Sulfate Anhydrous	USP Low HM Powder	2307
Cupric Sulfate Pentahydrate	USP/EP Low HM Crystals	2302
Cupric Sulfate Pentahydrate	USP/EP Low HM Powder	2303
Ferrous Gluconate	USP/FCC Low HM Granular (-14+60)	2374
Ferrous Gluconate	USP/FCC Low HM Powder	2377
Magnesium Lactate Dihydrate	EP Low HM Powder	2533
Magnesium Lactate Dihydrate	EP Low HM Granular	2536
Magnesium Gluconate	USP Low HM Powder	2586
Magnesium Gluconate	USP Low HM Granular	2587
Magnesium Phosphate Dibasic	FCC Low HM Powder	2595
Manganese Sulfate Monohydrate	USP/EP, Low HM Powder	2583
Manganese Sulfate Monohydrate	USP, Low HM Fine Granular	2609
Manganese Gluconate Dihydrate	USP/FCC Low HM Powder	2597
Manganese Gluconate Dihydrate	USP/FCC Low HM Fine Granular	2598
Potassium Phosphate Dibasic	USP Low HM Fine Granular	2661
Potassium Phosphate Dibasic	USP Low HM Powder	2662
Zinc Citrate Dihydrate	USP Low HM Powder	2947
Zinc Citrate Dihydrate	USP Low HM Fine Granular	2946
Zinc Gluconate	USP Low HM Granular	2956
Zinc Gluconate	USP Low HM Powder	2958
Zinc Lactate Dihydrate	Purified Low HM Powder	2966

# JOSTCOTE®



## JOSTCOTE® Microencapsulated

JOSTCOTE® Microencapsulated is a commercial line of microencapsulated high purity mineral salts. Engineered for the nutritional and food fortification markets, this advanced particle-coating technology has unlocked possibilities for our customers seeking the finest quality in their finished product.

### Choose JOSTCOTE® products to:

- Enhance the finished dosage form
- Mask the taste and odor of the active substance
- Improve texture and mouthfeel
- Minimize instability due to component interaction
- Prevent degradation
- Extend shelf life
- Streamline the supply chain

### JOSTCOTE® Microencapsulated applications include:

- Food fortification (premixes)
- Clinical nutrition
- Chewable tablets and capsules
- Rapid-dissolve tablets
- Nutrition bars
- Animal health supplements
- Sachets
- Non-GMO, halal- and kosher-certified products

<i>Name</i>	<i>Product Code</i>
JOSTCOTE® Microencapsulated Copper Gluconate 20%	7267
JOSTCOTE® Microencapsulated Cupric Sulfate Monohydrate 50%	7297
JOSTCOTE® Microencapsulated Ferrous Fumarate 60%	7360
JOSTCOTE® Microencapsulated Ferrous Sulfate Dried 60%	7391
JOSTCOTE® Microencapsulated Reduced Iron 70%	7380
JOSTCOTE® Microencapsulated Magnesium Oxide 40%	7551
JOSTCOTE® Microencapsulated Manganese Sulfate 50%	7593
JOSTCOTE® Microencapsulated Zinc Oxide 50%	7985
JOSTCOTE® Microencapsulated Zinc Sulfate 50%	7980



# Jost Chemical – Doing it right for more than three decades.

## Our customers expect the best.

Clients come to Jost Chemical with demanding requirements for quality, purity, consistency, and particle size. They come back because we make their needs our top priority. From initial consultation to final distribution, Jost is committed to providing customers with quality, delivered on time.

- Flexible ordering, from a drum to a truckload
- Products in stock and ready to ship
- Multiple fulfillment locations
- Packaging options – fiber and poly drums, poly pails, cartons, and super sacks
- Low lead time on delivery

We understand your need for immediate and detailed responses to product inquiries and technical information. Whatever you require, Jost has it covered: hands-on customized solutions, product information, documentation, required testing, and assistance developing a DMF, ASMF or CEP.

## Jost delivers pure quality, every step of the way.

- Audited regularly by the FDA and our customers
- State-of-the-art equipment
- Facilities and systems qualification
- Organizational and personnel requirements
- Receipt and approval of raw materials
- Quality control of materials, systems, production, processing and packaging
- Product stability testing
- Systems and process validation
- Laboratory controls and release of finished products
- Storage and distribution

## Let's boldly go there, together.

As a trusted innovator for more than three decades, Jost Chemical collaborates closely with clients seeking custom products and solutions. Need to modify an existing chemical or develop a new one with demanding specifications? Our team takes pride in meeting your requirements, while exceeding your expectations.



# **JOST CHEMICAL CO.**

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