



MultiPharm™ Minerals for...

...Enteral Nutrition

Support for human healthcare



Meeting tomorrow's needs... Our Quality - Your Assurance



Minerals for Enteral Nutrition

Cat. No.	Description	Pharmacopeia
Calcium		
1.02052	Calcium acetate hydrate extra pure	DAC, FCC
1.02069	Calcium carbonate precipitated extra pure	Ph Eur, BP, USP, FCC, E170
1.12120	Calcium carbonate precipitated extra pure (0,0001% Al)	Ph Eur, BP, USP, FCC, E170
1.02064	Calcium carbonate precipitated extra pure (0.002% Fe)	Ph Eur, BP, USP, FCC
1.42000	Calcium chloride dihydrate extra pure	Ph Eur, BP, JP, USP, FCC, E509
1.02092	tri-Calcium dicitrate tetrahydrate extra pure	DAC, USP, FCC, E333
1.02094	Calcium gluconate monohydrate extra pure	Ph Eur, BP, USP, FCC, E578
1.04112	Calcium glycerophosphate hydrate extra pure	Ph Eur, Ph Franc, FCC
1.02146	Calcium hydrogen phosphate dihydrate extra fine powder extra pure	Ph Eur, BP, USP, FCC, E341
1.02144	Calcium hydrogen phosphate anhydrous extra fine powder extra pure	Ph Eur, BP, E341
1.12076	Calcium hydrogen phosphate anhydrous extra fine powder (0.0005% Al) extra pure	E341
1.02110	Calcium hydroxide	FCC
1.02119	Calcium hydroxide precipitated (0.0005% Al) extra pure	USP, FCC, E526
1.02102	Calcium lactate soluble extra pure	Ph Eur, BP, USP, E327
1.02851	Calcium levulinate extra pure	USP
1.02143	tri-Calcium phosphate dried extra pure	Ph Eur, BP, E341
1.04636	Calcium phosphinate (Calcium hypophosphite) extra pure	DAC
1.02148	Calcium D-saccharate extra pure	USP
1.02160	Calcium sulfate dihydrate precipitated extra pure	Ph Eur, BP, E516
Magnesium		
1.05832	Magnesium chloride hexahydrate extra pure	Ph Eur, BP, USP, FCC, E511
1.05872	Magnesium hydrogen phosphate trihydrate extra pure	DAB
1.05870	Magnesium hydroxide extra pure	Ph Eur, BP, USP
1.05829	Magnesium hydroxide carbonate heavy extra pure	Ph Eur, BP, USP, E 504
1.05828	Magnesium hydroxide carbonate light extra pure	Ph Eur, BP
1.05867	Magnesium oxide heavy extra pure	Ph Eur, BP, USP, E530
1.05862	Magnesium oxide light extra pure	Ph Eur, BP, E 30
1.05882	Magnesium sulfate heptahydrate extra pure	Ph Eur, BP, JP, USP
1.05885	Magnesium sulfate hydrate extra pure	DAC
Potassium		
1.04924	Potassium carbonate extra pure	DAC, Ph Helv, USP, E501
1.04935	Potassium chloride extra pure	Ph Eur, BP, USP, FCC, E508
1.04956	tri-Potassium citrate monohydrate extra pure	Ph Eur, BP, USP, FCC, E332
1.04871	Potassium dihydrogen phosphate crystals extra pure	Ph Eur, BP, NF, E340
1.04852	Potassium hydrogen carbonate extra pure	Ph Eur, BP, USP, E501

1.05101	di-Potassium hydrogen phosphate anhydrous extra pure	Ph Eur, BP, E340
1.05032	Potassium hydroxide pellets extra pure	Ph Eur, BP, JP, NF, FCC, E525
1.05151	Potassium sulfate powder extra pure	DAC, JP, Ph Helv, E515
1.05150	Potassium sulfate crystals extra pure	DAC, JP, Ph Helv

Sodium

1.06281	Sodium acetate anhydrous extra pure	USP, FCC, E262
1.06265	Sodium acetate trihydrate extra pure	Ph Eur, BP, JP, USP, FCC, E262
1.06384	Sodium carbonate decahydrate extra pure	Ph Eur, BP, E500
1.06386	Sodium carbonate monohydrate extra pure	Ph Eur, BP, NF, E500
1.06398	Sodium carbonate anhydrous extra pure	Ph Eur, BP, NF
1.06400	Sodium chloride extra pure	Ph Eur, BP, USP
1.06432	tri-Sodium citrate dihydrate crystals extra pure	Ph Eur, BP, USP, E331
1.06446	tri-Sodium citrate dihydrate powder extra pure	Ph Eur, BP, USP, E331
1.11037	tri-Sodium citrate anhydrous	USP, FCC, E331
1.06345	Sodium dihydrogen phosphate dihydrate extra pure	Ph Eur, BP, USP, E339
1.06323	Sodium hydrogen carbonate extra pure	Ph Eur, BP, USP, FCC, E500
1.06585	di-Sodium hydrogen phosphate anhydrous extra pure	Ph Franc, USP, E339
1.06573	di-Sodium hydrogen phosphate dodecahydrate crystals extra pure	Ph Eur, BP, USP
1.06576	di-Sodium hydrogen phosphate dihydrate extra pure	Ph Eur, BP, USP
1.06574	di-Sodium hydrogen phosphate heptahydrate extra pure	DAC, USP
1.06482	Sodium hydroxide pellets extra pure	Ph Eur, BP, JP, NF, FCC, E524
1.06522	Sodium lactate solution about 50% extra pure	Ph Eur, BP, USP, E325
1.06577	tri-Sodium phosphate dodecahydrate extra pure	E339
1.04646	Sodium phosphinate monohydrate (sodium hypophosphite monohydrate) extra pure	DAC

Manganese

1.05999	Manganese(II) sulfate monohydrate spray-dried	USP, FCC
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Iron

1.03761	Ammonium Iron(III) citrate approx. 28% Fe	DAC
1.03815	Iron reduced extra pure particle size about 10 µm	DAB 7
1.03962	Iron(II) fumarate extra pure (about 33 % Fe)	Ph Eur, BP, USP, FCC
1.03868	Iron(II) gluconate dihydrate	Ph Eur, BP, USP, E579
1.03963	Iron(II) sulfate heptahydrate extra pure	Ph Eur, BP, USP, FCC
1.03967	Iron(II) sulfate hydrate (about 87% FeSO ₄) extra pure	BP, USP, FCC

Iodine

1.05050	Potassium iodate extra pure	FU, FCC
1.05040	Potassium iodide extra pure	Ph Eur, BP, USP
1.06520	Sodium iodide extra pure	Ph Eur, BP, USP

Zinc

1.08800	Zinc acetate dihydrate extra pure	USP
1.08815	Zinc chloride extra pure	Ph Eur, BP, JP, USP
1.08846	Zinc oxide extra pure	Ph Eur, BP, USP
1.08881	Zinc sulfate heptahydrate extra pure	Ph Eur, BP, USP, FCC
1.08882	Zinc sulfate monohydrate extra pure	USP, FCC

Copper

1.02792	Copper(II) sulfate anhydrous extra pure	Ph Eur, BP
1.02788	Copper(II) sulfate pentahydrate powder extra pure	Ph Eur, BP, USP
1.02787	Copper(II) sulfate pentahydrate crystals extra pure	Ph Eur, BP, USP

Molybdenum

1.01180	Ammonium heptamolybdate tetrahydrate crystals extra pure	USP
1.06524	Sodium molybdate dihydrate extra pure	DAB



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Welcome to the world of MultiPharm™ Minerals for Enteral Nutrition. These EMD products are designed specifically to address your particular needs for minerals as a manufacturer of Enteral Nutrition.

We are a recognized leader in the development and production of high quality pharmaceutical raw materials and technology driven excipient and drug delivery systems. We also provide customized synthesis of intermediates and active ingredients for the pharmaceutical industry.

As part of our MultiPharm™ Chemicals line these minerals are processed in cGMP facilities and are designed to work flawlessly in your applications. Our high quality is consistent from lot to lot, and we can deliver products in sizes to meet your needs from lab to production. We can also provide custom packaging solutions if required. Our products meet the requirements of the major pharmacopeias and we are constantly updating our standards. We will also supply you with custom Certificates of Analysis and perform additional testing to meet the internal standards set by your organization.

Additional Products upon request

- Vitamins
- Mineral premixes
- Other additives (pH-regulators, preservatives, antioxidants, etc.)

We take pride in our ability to provide analytical, regulatory and technical support wherever required. We work closely with our customers in the development and scale up of formulation and production processes. And we'll be there day after day to support you once they're established!

All MultiPharm™ Minerals, as well as our entire product line, are available through our network of distributors covering the US and Canada. They can also be sourced internationally through our parent company Merck KGaA, Darmstadt, Germany. Because our product line is multipharmacopeial and our sourcing capabilities are global, we are uniquely positioned to support you and your operations no matter where in the world they may be located or where your products are sold.

We offer some of the best sales, technical and customer support in the industry. Our Customer Service and Technical Service Representatives are available Monday through Friday from 8:30 AM to 5:00 PM EST at our toll-free number 1-800-222-0342.

If you're looking for the best minerals for your products and the best source to support and deliver them; look to the world of MultiPharm™ Minerals from EMD.

EMD Chemicals Inc
480 South Democrat Road
Gibbstown, NJ 08027
Phone 1-800-222-0342
Phone 1-856-423-6300
Fax 1-856-423-6300
www.emdchemicals.com
emdinfo@emdchemicals.com

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