



# MINERALS FOR FOOD INDUSTRY



PanReac   
AppliChem  
ITW Reagents

Minerals are inorganic compounds, mainly salts, which are essential for life. Found in bones and teeth, they are involved in metabolic and biochemical processes. Like all nutrients, minerals are found in basic foods such as meat, milk, fish, vegetables, fruits, and cereals.

Some minerals are not present in relevant quantities in food. Processing can also reduce food's nutritional value. Therefore, a wide range of nutrients and other ingredients are used in food manufacturing, including minerals. They are added to food in order to enrich or fortify it, so as to add to or improve any of its nutritional characteristics.

The addition of minerals in manufacturing processes is done in infant formula production, nutraceuticals, milk derivatives, among others.



Infant formula manufacturing process

PanReac AppliChem's minerals portfolio fulfills the EC and FCC standards. Our products are produced according to a strict quality policy, in accordance with ISO and HACCP.

When choosing PanReac AppliChem as your partner for minerals supply, you are also acquiring:



## ITW Reagents division

More than  
80 years of  
experience

2 production sites  
and logistics centers  
in Barcelona and  
Darmstadt

We meet:

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

Technical  
know-how

Market  
knowledge

*“Enrich your products with PanReac AppliChem”*

Product code	Product name	CAS number
201212	Calcium Carbonate precipitated (E-170i, F.C.C.) food grade	471-34-1
AT4395	Calcium Carbonate precipitated, low in iron (0,001%) (E-170, F.C.C.) food grade	471-34-1
201232	Calcium Chloride 2-hydrate powder (E-509, F.C.C.) food grade	10035-04-8
201213	tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) food grade	5785-44-4
202400	Calcium Hydroxide, powder (E-526, F.C.C.) food grade	1305-62-0
201228	tri-Calcium Phosphate (E-341iii, F.C.C.) food grade	7758-87-4
202695	Ethanol 70% v/v food grade	64-17-5
201085	Ethanol 96% v/v (F.C.C.) food grade	64-17-5
201341	D(+)-Glucose anhydrous (F.C.C.) food grade	50-99-7
203378	Hydrochloric Acid 25% (E-507, F.C.C.) food grade	7647-01-0
201020	Hydrochloric Acid 37% (E-507, F.C.C.) food grade	7647-01-0
201034	L(+)-Lactic Acid (F.C.C.) food grade	79-33-4
201927	Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) food grade	7782-75-4
201840	Magnesium Hydroxide (E-528, F.C.C.) food grade	1309-42-8
201404	Magnesium Sulfate 7-hydrate (F.C.C.) food grade	10034-99-8
201413	Manganese(II) Sulfate 1-hydrate (F.C.C.) food grade	10034-96-5
201494	Potassium Chloride (E-508, F.C.C.) food grade	7447-40-7
AT3432	Potassium Chloride with anticaking (F.C.C.) food grade	7447-40-7
201509	Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) food grade	7778-77-0
202333	di-Potassium Hydrogen Phosphate 3-hydrate (E-340ii, F.C.C.) food grade	16788-57-1
201515	Potassium Hydroxide 85% pellets (E-525, F.C.C.) food grade	1310-58-3
201542	Potassium Iodide (F.C.C.) food grade	7681-11-0
206994	Sodium Chloride with anticaking (F.C.C.) food grade	7647-14-5
201655	tri-Sodium Citrate 2-hydrate (E-331iii, F.C.C.) food grade	6132-04-3
201687	Sodium Hydroxide pellets (E-524, F.C.C.) food grade	1310-73-2
201710	tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) food grade	13472-36-1
201716	Sodium Sulfate anhydrous (E-514i, F.C.C.) food grade	7757-82-6
201788	Zinc Sulfate 1-hydrate (F.C.C.) food grade	7446-20-0
201787	Zinc Sulfate 7-hydrate (F.C.C.) food grade	7446-20-0

This is a selection of minerals and other raw materials for food industry . If you have any other needs or requests, please contact us at [biopharma@itwreagents.com](mailto:biopharma@itwreagents.com) and we will be glad to support you.



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