



PHARMAGNESIA®
Chelates
Product Information

ENG

PHARMAGNESIA® Chelates

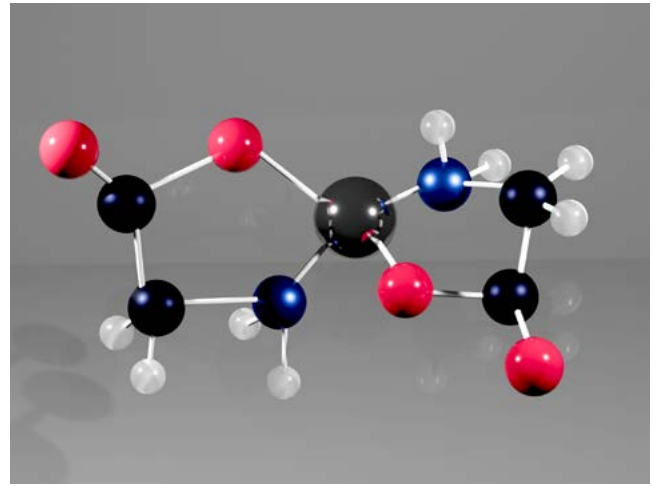
for use in food supplements,
foods and beverages

- Excellent solubility
- Optimised absorption and bioavailability
- Increased stability and therefore optimum effect, for example in fruit juices
- Also suitable for formulations in tablet, capsule, gel or fruit gum form
- Ideal for stomach-friendly applications

Characteristics

Chelated minerals consist of a central metal ion, which is surrounded by organic compounds ("ligands") via several binding points in a "claw-like" manner. This results in much more stable complexes than compounds with only one binding point, as they are less likely to combine or react with other substances. This improves the bioavailable form of the minerals so that they can be much better absorbed and utilised by the human body.

Typically, amino acids or polyvalent organic acids are used as organic compounds.



Our Portfolio

Chelate type	Ligand	Metal ions							
		Mg	Ca	Zn	Fe	Cu	Mn	Se	K
Amino acids	Glycine (bisglycinate)	•	•	•	•	•	•		
	Taurine (taurinate)	•							
	Methionine			•				•	
	Threonine (threonate)	•							
	Picolinic acid (picolinate)			•		•			
	Pyroglutamic acid (pidolate)	•	•						
Carboxylic acids	Citric acid (citrate)	•	•	•		•			•
	Malic acid (malate)	•	•	•					•
	Fumaric acid (fumarate)				•				
	Gluconic acid (gluconate)	•	•		•	•	•		•
	Lactic acid (lactate)	•	•						
	Succinic acid (succinate)	•							
Other	Glycerophosphoric acid (glycerophosphate)	•	•						

Our Expertise

Purities according to food (NF / E-numbers) or pharmaceutical standards (EP, USP). We hold HACCP and respective ISO certificates and regularly audit our production partners and warehouses.

We develop the right solution for your needs for tailor-made solutions: from customised chelate compositions (for example with higher or lower mineral content) to different particle sizes.

As part of our holistic expertise, we are able to advise you on the selection of suitable chelates for your project and offer technical support for successful production. You can also rely on our in-house logistics and quality assurance at all times.

Our manufacturers are located globally. We secure your production with our global sourcing network of long-standing manufacturing partners.

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