

Organically-Bound Minerals



# Chelamax<sup>®</sup>

Differentiate with truly  
chelated minerals



## Value

### For Manufacturers

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- FT-IR correlation on the COA
- 3 Step verification process
- Various particle sizes and concentrations
- Extremely low in heavy metal impurities

### For Consumers

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- Increased bioavailability
- Improved digestibility
- Better taste
- Confidence in efficacy

# What is a Chelate?

A chelate is a compound containing one or more ligands (typically organic) bonded to a central mineral at two or more points (Figure A). When ligands chelate a mineral, they form a protective shell around it (Figure B).

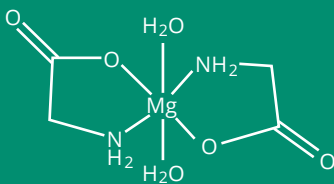


Figure A  
Magnesium Bisglycinate



Figure B

## Three Step Verification Process:

- 1 X-ray diffraction (XRD) confirms actual structure
- 2 Thermogravimetric analysis (TGA) confirms purity
- 3 Fourier transform infrared spectroscopy (FT-IR) produces fingerprint for lot-to-lot comparison

## Our Chelamax<sup>®</sup> range covers five mineral categories with more under development:

### CALCIUM

Calcium Ascorbate  
Calcium Bisglycinate  
Calcium Citrate

### CHROMIUM

Chromium Picolinate

### MAGNESIUM

Magnesium Bisglycinate  
Magnesium Citrate

### VANADIUM

Bismaltolato Oxo  
Vanadium

### ZINC

Zinc Bisglycinate  
Zinc Citrate  
Zinc Picolinate

## Why Innophos



Trusted  
Partnerships



Technical  
Expertise



New Product  
Solutions



Global  
Footprint

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