

Full portfolio

Main application

- For pharmaceutical and nutraceutical
- Liquid Formulations
- Tablets
- Capsules (Hard & Softshell)

Particle size

- Fine powder : D90 ≤ 6.0 μm
- Standard : 40-50 mesh : Through 98% ↑
- Granule : 30-100 mesh : Pass 95% ↑

Specialty

- Superior Solubility & Optimal Dispersion
- High-Purity Elemental Concentration (Ca, Mg, Zn)
- Ultra-Low Heavy Metal Content / Lead-Free Purity

Bioavailable Cal-Mag

Products	Content(%)	Solubility	Bioavailability (★)
Calcium Magnesium Citrate	Ca 13~15%, Mg 6~8%	10~15 g/L	★★★★★

Natural calcium

Products	Content(%)	Solubility	Bioavailability (★)
Oyster shell calcium	42%	1.4 mg/100ml	★★★★★

Calcium group

Products	Content(%)	Solubility	Bioavailability (★)
Calcium Citrate	24%	95 mg/100 ml	★★★★★
Calcium Gluconate	9%	33 g/L	★★★★★
Calcium Citrate Malate (CCM)	24%	800 g/L	★★★★★
Calcium Bisglycinate	14~19%	200 ↑ g/L	★★★★★
Calcium Malate	20%	3 g/L	★★★★★
Calcium Lactate	13%	50~60 g/L	★★★★★
Calcium Tribasic Phosphate	39%	2 ↓ mg/100 ml	★★★★★
Calcium Dibasic Phosphate	23~29%	20 mg/100 ml	★★★★★
Calcium Carbonate Heavy	40%	1.4 mg/100 ml	★★★★★
Calcium Carbonate Precipitated	40%	1.4 mg/100 ml	★★★★★
Calcium Chloride	27~36%	740 g/L	★★★★★

Magnesium group

Products	Content(%)	Solubility	Bioavailability (★)
Magnesium Lactate	10~12%	80~100 g/L	★★★★★
Magnesium Gluconate	5%	160 g/L	★★★★★
Magnesium Citrate	11~16%	250 g/L	★★★★★
Magnesium Bisglycinate	12~14%	200 ↑ g/L	★★★★★
Magnesium Di malate	12~15%	15 g/L	★★★★★
Magnesium Oxide	60%	8.6 mg/100 ml	★★★★★
Magnesium Carbonate	24%	10 mg/100 ml	★★★★★
Magnesium Hydroxide	41%	0.9 mg/100 ml	★★★★★

Zinc group

Products	Content(%)	Solubility	Bioavailability (★)
Zinc Gluconate	14%	100 g/L	★★★★★
Zinc Citrate	31%	5 g/L	★★★★★
Zinc Lactate	22%	20~30 g/L	★★★★★
Zinc Oxide	80%	0.16 mg/100 ml	★★★★★

The premium, eco-friendly choice for high-potency calcium formulations

Oyster shell calcium [해각칼슘]

Sustainable Ocean-Sourced Upcycling

Non-GMO, 100% natural, bio-available trace minerals

40% elemental calcium, formula optimization, cost-effective.

Ultra-pure, heavy metal tested, GMP-certified

Mineral element

unit : ppm

Calcium	420,000	Boron	12	Vanadium	0.15
Magnesium	3,800	Iodine	4.5	Molybdenum	0.08
Strontium	1,500	Copper	3.2	Cobalt	0.05
Iron	250	Chromium	1.8	Silver	0.03
Silicon	120	Selenium	0.6	Germanium	0.01
Zinc	25	Nickel	0.4	Gold	0.0005
Manganese	15	Tin	0.2		

High Quality products

- High Purity/Solubility
- High dispersion
- Fine particle size
- High Absorption rate

Core Technology Modules

- Micro-encapsulation
- Enzymatic Conversion
- Odor Masking
- Particle Control
- Heat Stability
- Solubility Improvement

Liquid Process

- No use kiln, No fume
- No TVOC, No noise
- Low heavy metal

Bioavailability

- Natural Matrix: Synergistic effects with co-factors for higher absorption
- Superior Solubility: Enhanced ionization due to bio-friendly molecular structures.



Low-Odor High-Purity Clean Label Solutions

Odor/taste removal via special purification & minimized chemical processing



Controlled Release Microencapsulation

Gastric protection, optimized intestinal absorption, and targeted release



Multi-Functional Blends (All-in-One)

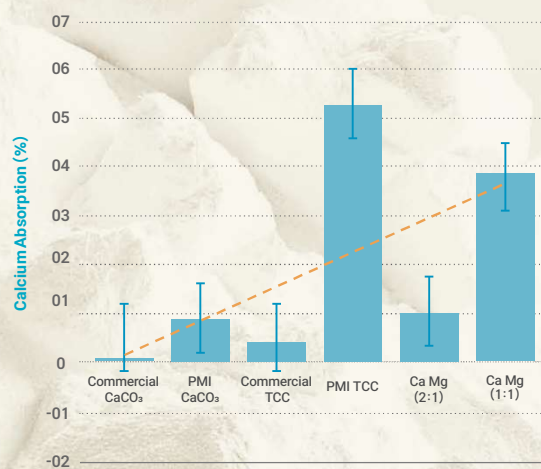
Increased absorption & stability through synergistic formulation



Allergen-Free Low-Residue Process

Safe, clean process design meeting global export standards

Calcium Absorption Rate (using Caco-2 enterocyte)



PMI BIOTECH Inc

Visit us at www.pmibiotech.com for more information on all of our products.

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