

Certificate of Analysis

Product Name Magtein®
Product Code T0700J
Batch # MLT-01440725
Manufacturer Date July 22, 2025
Expiration Date July 21, 2028
Country of Origin India

<u>Physical</u>	<u>Specification</u>	<u>Results</u>	<u>Method</u>
Appearance	White to off-white Powder	White	Visual
Odor	Characteristic	Characteristic	Organoleptic
Taste	Characteristic	Characteristic	Organoleptic
Solubility	Water Soluble	Conforms	Visual (1% at 25°C)
Color of Solution	Clear	Conforms	Visual (1% at solution)
Bulk Density	NLT 0.6 g/mL	0.76 g/mL	Graduated Cylinder
Particle Size	NLT 90% thru a US#20 NMT 60% thru a US#200	100% 26.73%	Ro Tap (3 min.)
Identification	Conforms to standard	Conforms	FTIR
Loss On drying	NMT 1.0%	0.19%	105°C, 4 hours

<u>Analytical</u>			
Assay	98.0%-102.0%	98.6%	Calculation
Magnesium	7.2%-8.3%	7.84%	ICP-OES
L-threonic Acid	NLT 85%	89.4%	HPLC
pH	5.8-7.0	6.27	USP (1% in H2O)
Arsenic	NMT 1.0 ppm	<0.05 ppm	ICP-MS
Mercury	NMT 0.2 ppm	<0.01 ppm	ICP-MS
Lead	NMT 0.2 ppm	<0.05 ppm	ICP-MS
Cadmium	NMT 0.2 ppm	<0.02 ppm	ICP-MS
Oxalic Acid	NMT 1%	0.30%	AOAC
Residual Solvents	Ethanol NMT 5000ppm	86 ppm	GC-MS

<u>Microbiology</u>			
Total Plate Count	NMT 3000 cfu/g	< 10 cfu/g	USP<2021>
Yeast and Mold	NMT 300 cfu/g	< 10 cfu/g	USP<2021>
E. Coli	Negative/10g	Negative	USP<2022>
S. Aureus	Negative/10g	Negative	USP<2022>
Salmonella	Negative/25g	Negative	USP<2022>

Bentley Su

Approved by: Bentley Su
1/13/2026, 12:03 PM

Storage: Keep in closed container, away from excess heat and light

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Product: Phosphatidyl Serine 50%

Production Date: 12/09/2024

Made in China

Analysis Date: 12/12/2024

Batch:
20240509

Expiration Date: 12/08/2026

Physical/Chemical Control	Specification	Result	Test Method
Acetone Insolubles	≥95%	96.0%	CP2015
Appearance	Fine Powder	Conforms	Visual
Assay	Phosphatidylcholine (PC): ≤12.0%	1.06%	HPLC (In-House)
	Phosphatidylethanolamine (PE): ≤10.0%	1.13%	HPLC (In-House)
	Phosphatidylinositol (PI): ≤10.0%	3.01%	HPLC (In-House)
	Phosphatidylserine: ≥50.0%	53.01%	HPLC (In-House)
Bulk Density	Tapped: 0.4 - 0.7 g/ml	0.68 g/ml	CP
Bulk Density	Loose: 0.2 - 0.5 g/ml	0.45 g/ml	CP
Color	Yellow	Conforms	Visual
Identification	HPLC Chromatogram: Positive	Conforms	HPLC
Loss on Drying	≤2.0%	0.36%	KF
Odor	Characteristic	Conforms	Organoleptic
Particle/Mesh Size	40 mesh: ~90%	Conforms	Mesh Screen
Peroxide Value	≤5.0 mmol/kg	Conforms	GB
Residual Solvents	≤5,000 ppm	Conforms	Third Checked
Taste	Hexane: ≤25 ppm	Negative	GC
	Characteristic	Conforms	Organoleptic

Heavy Metal Control

Arsenic (As)	≤1 ppm	Conforms	ICP-MS
Cadmium (Cd)	≤1 ppm	Conforms	ICP-MS
Heavy Metals	≤20 ppm	<10 ppm	ICP-MS
Lead (Pb)	≤2 ppm	Conforms	ICP-MS
Mercury (Hg)	≤0.1 ppm	Conforms	ICP-MS

Microbiological Control

Coliforms	≤10 cfu/g	Negative	AOAC
E. coli	Negative	Conforms	AOAC
Salmonella	Negative	Conforms	AOAC
Staphylococcus	Negative	Conforms	AOAC
Total Plate Count	≤1,000 cfu/g	Conforms	AOAC
Yeast & Mold	≤100 cfu/g	Conforms	AOAC

Further Information

Carrier/Excipients	Silicon Dioxide (Mineral): <2.0%
Solubility	Soluble in Chloroform, insoluble in water and Alcohol.
Solvents Used	Alcohol

Starting Material(s):	Soy lecithin
Starting Material Source:	Soy
Storage:	Keep in sealed container and under 25°C. Keep away from direct sunlight and moisture.
Conclusion:	Product Conforms to Specifications.

*The above information is based on the certificate of analysis received from the manufacturer or our supplier, and it not intended as a substitute for strict quality control analysis by the purchaser of this product.



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KJC NUTRA INC.



kjcnutra.com

Certificate of Analysis

Product : Vitamin D3 Powder 100,000IU/g
 Batch No. : 71241123
 Quantity : 28925.0 kg
 Manufacture Date : Nov.23, 2024
 Certificate Date : Nov.23, 2024
 Expiration Date : Nov.22, 2027
 Origin of Country : China

Items	Standards	Results	Method
Identity for			
Vitamin D3 Powder	positive	positive	uv/usp
Appearance	white, free-flowing powder	white powder	LN method
Dispersibility in water	Dispersible	Dispersible	LN method
Particle Size Distribution (Fineness) (U.S. standard sieves)	100% through No.40 mesh Min.90%through No.60 mesh Min.45%through No.100 mesh	100% through No.40 95%through No.60 88%through No.100	LN method
Vitamin D3 Content	Min.100,000 IU/g	104,200 IU/g	hplc/ep
Loss on Drying	Max 5.0%	4.2%	105°C 4h
Residual Solvents	The raw materials, manufacturing process and product do not contain any of the solvents listed in Residual Solvents	Qualified	
Microbiological Spec.			
Total Plate count	≤1000cfu/g	<10 cfu/g	usp
Mold & Yeast	≤100 cfu/g	<10 cfu/g	usp
Coliforms	≤0.3MPN/g	<0.3MPN/g	usp
E.Coli	Negative	Negative	usp
Salmonella	Negative	Negative	usp
Staphylococcus aureus	Negative	Negative	usp
Heavy metals	≤3ppm	<3ppm	usp
As	≤0.5ppm	<0.01ppm	usp
Lead	≤0.5ppm	<0.05ppm	usp
Cadmium	≤0.1ppm	<0.005ppm	cns
Mercury	≤0.1ppm	<0.003ppm	usp
Chromium	≤0.5ppm	<0.2ppm	cns

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