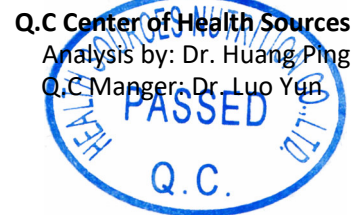


CERTIFICATE OF ANALYSIS

Product Name	Magnesium Lactate Dihydrate	Batch Number	040078240612
CAS Number	18917-93-6	Manufacture Date	Jun 12, 2024
Standard	EP8.0	Best Used Before	Jun 11, 2026

Items	Specifications	Results
Characters	White or almost white, crystalline or granular powder.	Conform
Solubility	Slightly soluble in water, soluble in boiling water, practically insoluble in ethanol (96 percent).	Conform
Content	98.0--102.0%	99.9%
Identification	It gives the reaction of lactates It gives the reaction of magnesium	Conform
PH value	6.5-8.5	6.8
Iron	≤0.005%	<0.005%
Chloride	≤0.02%	<0.02%
Sulfate	≤0.04%	<0.04%
Magnesium content	9.5%--10.5%	10.0%
Loss on drying	14.0-17.0%	15.1%
Heavy Metals	≤10ppm	<10ppm
Lead (Pb)	≤3ppm	<3ppm
Arsenic (As)	≤3ppm	<3ppm
Cadmium(Cd)	≤1ppm	<1ppm
Mercury (Hg)	≤0.1ppm	<0.1ppm
Total bacterial count	≤1,000cfu/g	<1,000cfu/g
Molds and yeasts	≤100cfu/g	<100cfu/g
Salmonella	N.D./25g	Negative
E.Coli	N.D./10g	Negative

Conclusion: Qualified.



Net weight: 25.0kgs/bag

Gross weight: 25.5kgs±0.05kg/bag

24 months under 30°C in a well-closed container and away from moisture, light, oxygen.

Packed in paper drum or carton with two plastic bags inside.

Certificate of Analysis

MagGran® MO,
Magnesia 82600
Magnesium oxide, granulated,
EP, E 530, USP, FCC

Lüneburg, 27/11/2023

Certificate of Analysis Type:	Standard
Version Specification:	3
Order No.:	23233409
Ordering Information:	SZM00863/2023 Zsombor Pollák
Quantity:	2,000 Kilogramm
Article No.:	8260000
Internal Batch No.:	23001448/0
External Batch No.:	307230099
Manufacturing Date:	10/07/2023
Expiry Date:	09/07/2025

Parameter	Standard	Result
Appearance	white to off-white granulated powder	complies
MgO (on ignited basis) (EP)	98.0 - 100.5 %	99.5 %
Identification	complies	complies
Solution S (EP)	complies	complies
Appearance of solution (EP)	complies	complies
Free alkali (USP) (FCC) (E530)	Max. 2.0 ml	complies
Soluble substances	Max. 2.00 %	0.56 %
Insoluble substances (in acid)	Max. 0.10 %	0.032 %
Cl (EP)	Max. 1000 ppm	175 ppm
SO ₄ (EP)	Max. 1.00 %	0.08 %
Ca (USP)	Max. 1.10 %	0.06 %
CaO	Max. 1.50 %	0.08 %
Fe	Max. 500 ppm	18 ppm
As	Max. 1 ppm	complies
Pb	Max. 0.2 ppm	complies
Cd	Max. 0.5 ppm	complies
Hg	Max. 0.1 ppm	complies
Loss on ignition	Max. 5.0 %	3.6 %
Bulk density (untapped)	0.85 - 1.05 g/ml	0.96 g/ml
Bulk density (1000 taps)	0.90 - 1.20 g/ml	1.13 g/ml
Particle size (> 20 mesh)	Max. 0.0 %	0.0 %
Particle size (> 30 mesh)	8.0 - 20.0 %	10.8 %
Particle size (< 30 to > 60 mesh)	60.0 - 80.0 %	67.8 %

Certificate of Analysis

MagGran® MO,
Magnesia 82600
Magnesium oxide, granulated,
EP, E 530, USP, FCC

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Manufacturing Date:	10/07/2023
Expiry Date:	09/07/2025

Parameter	Standard	Result
Particle size (< 60 to > 100 mesh)	5.0 - 25.0 %	13.4 %
Particle size (< 100 mesh)	1.0 - 8.0 %	8.0 %

Parameters indicated in this certificate of analysis are based on our current, carefully determined knowledge. It is the users own responsibility to test and analyze materials and therefore corroborate that products are adequate for their applications.

Not for use as Active Pharmaceutical Ingredient (API).

This certificate of analysis was issued electronically and is therefore valid without signature.

Certificate of Analysis

Magnesium Bisglycinate 20%

Packaging: net 25kgs/package
Shelf life & Storage: 2 years when well-closed packages stored in shaded, cool, dry, clean and ventilated places on pallets; prohibited to be placed together with poisonous or harmful substances. Open and use.

Batch No. : 2024102001
Quantity : 9450kg
Mfg. Date : Oct.20,2024
Exp. Date : Oct.19,2026
Test Date : Oct.21,2024
Report Date : Oct.21,2024

Items	Specifications	Test Results	Test Methods
Appearance	White crystalline powder	Conforms	In-house
Magnesium(on dried basis),w/%	≥20.0	20.86	In-house
Loss on drying,w/%	≤1.0	0.20	In-house
pH(10g/L)	9.0~12.0	10.5	In-house
Particle size,w/%	90% passing 60 mesh	Conforms	In-house

Additional Guarantees

Items		Limits	Test Methods
Individual Heavy metals	Pb, ppm	≤3	AAS
	As, ppm	≤1	AAS
	Cd, ppm	≤1	AAS
	Hg, ppm	≤0.1	AAS
Microbiologicals	Total plate count, cfu/g	≤1000	USP
	Yeast and Mold, cfu/g	≤100	USP
	E. Coli, /g	Negative	USP
	Salmonella, /25g	Negative	USP

Conclusion: test results conform to above-mentioned specifications.

Tested by: Zhang Dongcai

Reviewed by: Li Ya

Approved by : Liang Zhanwen

Information about the product named by its effective ingredient(s) and usage suggestions provided by us are believed to be correct to the best of our current knowledge. However, its usage suitability has to be determined by customers and users.

--- End of Report ---