

CERTIFICATE OF ANALYSIS

Inositol

Lot Number: 202407592

Manufacturing Date:07/2024

Expiration Date:07/2028

Standard **United States Pharmacopeia 43-National Formulary 38 (USP43-NF 38)**

RESULTS OF INSPECTION:

Item	Specification	Result
Identification (IR,HPLC)	Positive reaction	Conforms
Assay, on the anhydrous basis(%)	97.0~102.0	99.8
Barium	Passes test	Passed test
Limit of lead(ppm)	≤ 0.5	Not detected
Organic impurities	Not more than 0.3% of any individual impurities	Conform
	Not more than 1.0% of total impurities	Conform
Clarity of solution	The same clarity as that of Water	Conform
Color of solution	The test solution is not more intensely colored than standard solution A, Standard solution B, Standard solution C or water.	Conform
Conductivity($\mu\text{S}\cdot\text{cm}^{-1}$)	≤ 20	10.2
Water(%)	≤ 0.5	0.03
Aerobic Count(CFU/g) Plate	≤ 1000	< 10
Molds and Yeasts(CFU/g)	≤ 100	< 10
Escherichia.Coli(MPN/g)	< 3.0	< 3.0
Salmonella	Negative/25g	Negative
Arsenic(ppm)	≤ 1	Not detected
Cadmium(ppm)	≤ 0.1	Not detected
Mercury(ppm)	≤ 0.1	Not detected

*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.

CONTACT INFO: 12601 NW 115 th ave, Ste A-103 Medley, Fl 33178kcharfan@kjcnutra.com / cs@kjcnutra.com 786.462.2549 / 786.444.5905

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PRODUCT: TAURINE JP16/USP38 with A/C Agent
BATCH NO.: C002-YB2405286
REPORTED DATE:05-20-2024

QUANTITY: 16000kg
Mfg DATE:05-16-2024
Exp DATE: 05-15-2027

Item	USP38 Standard	JP16 Standard	Results
Characteristics	White Crystals Or White Crystalline Powder,Odorless	White Crystals Or White Crystalline Powder,Odorless	White Crystalline Powder,Odorless
Identification	Infrared Absorption	Infrared absorption Spectrum should conform to requirement	Conforms
pH	/	4.1~5.6	5.1
Test			
Clarity And Color Of Solution	Clear And Colorless	Clear And Colorless	Clear And Colorless
Heavy Metals	0.0015% Max	10ppm Max	<10 ppm
Chloride	0.05% Max	0.011% Max	<0.011%
Sulphate	0.03% Max	0.010% Max	<0.010%
Iron	0.003% Max	10ppm Max	<10 ppm
Ammonium	/	0.02% Max	<0.02%
Cadmium	2PPM Max	2 PPM MAX	< 0.5PPM
Mercury	0.1 PPM Max	0.1 PPM	< 0.1 PPM
Arsenic	3 PPM Max	3 PPM Max	<3 PPM
Lead	0.5 PPM Max	0.5 PPM	< 0.5 PPM
Loss On Drying	0.3% Max	0.20% Max	0.08%
Residue On Ignition	0.3% Max	0.1% Max	0.1%
Chromatographic Purity	0.5% Max	/	<0.2%
Total Plate Count	NMT 1000cfu/g	NMT 1000cfu/g	<1000cfu/g
Yeasts And Molds	NMT 100cfu/g	NMT 100cfu/g	<100cfu/g
Salmonella	Absent in 25g	Absent in 25g	Conforms
E. Coli	Absent in 10g	Absent in 10g	Conforms
Staphylococcus Aureus	Absent in 10g	Absent in 10g	Conforms
Assay	98.5-101.5%	99.0-101.0%	99.9%
Conclusion	The Product Conforming To JP16/USP38		

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Certificate of Analysis

Magnesium Glycinate 20%

Lot No.: 250552
Country of Origin: USA

Manufacture Date: May 15, 2025
Expiration Date: May 15, 2028
Non-GMO Product: Conforms

Actives			
Test	Specification	Result	Method
Magnesium	20 - 25%	23.0%	ICP-OES
Physical			
Test	Specification	Result	Method
Appearance	White to Off White Powder	Complies	Visual
Bulk Density	Report	0.74 g/cc	In House
Loss on Drying	≤5%	1.86%	Moisture Analyzer
Particle Size	≥85% thru 60 mesh	96%	Rotap
pH	8 - 11	10.44	In House
Heavy Metals			
Test	Specification	Result	Method
Lead	<1 ppm	0.02 ppm	ICP-MS
Mercury	<1 ppm	<0.01 ppm	ICP-MS
Arsenic	<1 ppm	0.06 ppm	ICP-MS
Cadmium	<1 ppm	<0.01 ppm	ICP-MS
Microbiological			
Test	Specification	Result	Method
Total Plate Count	<3,000 cfu/g	<10 cfu/g	AOAC 990.12 or USP <2021>
Yeast and Mold	<300 cfu/g	<10/<10 cfu/g	FDA BAM or USP <2021>
Coliforms	<10 cfu/g	<10 cfu/g	AOAC 991.14
E. Coli	Negative/10 g	Negative/10 g	USP <2022> or USP31 2022
Salmonella	Negative/25 g	Negative/25 g	FDA BAM or USP <2022>
Staphylococcus aureus	Negative/10 g	Negative/10 g	USP <2022> or USP31 2022
Pseudomonas aeruginosa	Negative/10 g	Negative/10 g	USP <62>
Packaging and Other			
25 kg double-lined, food grade bags in corrugated cartons			

Plant: Centerville

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Item Name	: Magnesium Stearate –USP		
Batch No.	: KE/MS/24-25/1278	Qty	: 4000KG
Mfg. Date	: JAN-2025	Exp. Date	: DEC-2029
Grade	: USP	Batch Size	: 5000KG
S.No.	TEST	SPECIFICATION	RESULT
1	Description	White or almost white, very fine, light powder, greasy to the touch.	Complies
2	Solubility	Practically insoluble in water, anhydrous ethanol.	Complies
3	Identification	A) Freezing point: Not less than 53 ^o C B) Acid value of fatty acids: 195 to 210 C) By gas chromatography D) Reaction of 'Magnesium'.	Complies
4	Appearance of solution	Solution A is not more intensely colored than reference solution.	Complies
5	Appearance of solution of fatty acid	The solution is clear and not more intensely colored than reference solution.	Complies
6	Acidity Or Alkalinity	Not more than 0.05 ml of 0.1 M hydrochloric acid or 0.1 M sodium hydroxide should require to change the color of the indicator	Complies
7	Acid Value Of Fatty Acid	195 to 210	201
8	Free Stearic Acid	Not more than 3.0% w/w.	1.22
9	Zinc Stearate	No violet precipitate is formed	Complies
10	Heavy Metals	Not more than 20 ppm	Complies
a)	Lead	≤ 3 ppm	Complies
b)	Cadmium	≤ 1 ppm	Complies
c)	Arsenic	≤ 1.5 ppm	Complies
d)	Mercury	≤ 1.5 ppm	Complies
11	Lead	Maximum 10 ppm	Complies
12	Nickel	Maximum 5 ppm	Complies
13	Chloride	Not more than 250 ppm.	Complies
14	Sulfates	Not more than 0.6% w/w	Complies
15	Cadmium	Maximum 3 ppm	Complies
16	Loss On Drying	Not more than 6.0% w/w, 1 g at 105 °C.	3.20%
17	Assay(%Mg)	Between 4.0% w/w to 5.0% w/w of 'Mg', on dried basis	4.86%
18	Fatty Acid Composition	A) Stearic acid : Not less than 40 % w/w B) Sum of stearic acid and palmitic acid. : Not less than 90 % w/w	42.05% w/w 98.12% w/w
19	Microbial Contamination	1) Total aerobic microbial count: Maximum 1000 cfu/g. 2) Total yeast and mould count: Maximum 100 cfu/g. 3) Escherichia coli & salmonella.	Complies Complies Absent

The sample complies with specifications with respect to above tests

Note: The above information is based on the certificate of analysis received from the manufacturer of this product. It is not intended to be a substitute for strict quality control analysis by the purchaser of this product.

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CERTIFICATE OF ANALYSIS

Item Name : Microcrystalline Cellulose -102 USP			
Batch No. : KE/24-25/1346		Qty : 5000KG	
Mfg. Date : JAN-2025		Exp. Date : DEC-2029	
Batch Size : 5000KG			
S.No.	TEST	SPECIFICATION	RESULT
1	Description	White or almost white , fine or granular ,slightly hygroscopic powder.	A white powder
2	Solubility	Practically insoluble in water , in acetone , in anhydrous ethanol , in toluene, in dilute acids and in 50 g/L solution of sodium hydroxide.	Complies
3	Identification a) Infrared absorption b) Zinc chloride test c) Degree of polymerisation	a) Disregard any band between 800cm ⁻¹ and 825 cm ⁻¹ or between 950cm ⁻¹ and 1000cm ⁻¹ b) Violet Blue Colour c) NMT 350	Complies Complies 250.2
4	pH	5.00 to 7.50	6.0
5	Conductivity	NMT 75 µS.cm ⁻¹	58.13 µS.cm ⁻¹
6	Ether soluble substances	NMT 0.05%	0.008%
7	Water soluble substances	NMT 0.25%	0.011%
8	Loss on drying	NMT 7.00%	4.3 %
9	Sulphated ash	NMT 0.10 %	0.010%
10	Microbial contamination		
a)	Total viable aerobic count	NMT 1000 cfu/g	91 cfu/g
b)	Total molds & yeast count	NMT 100 cfu/g	<10 cfu/g
c)	E.Coli & Salmonella	Absent in 1g.	Absent
d)	S.Aureus & P.Aeruginosa	Absent in 1g.	Absent
11	Bulk density	0.27 to 0.33	0.289g/ml
12	Sieve Analysis (%Retention)		
	60 Mesh	≤ 8.0%	NIL
	200 Mesh	≥ 45.0%	

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Product: N-Acetyl-L-Cysteine CAS No: (616-91-1) 重量: Quantity: 1000KGS 批号: Lot No.: C103-202503804F 检验日期: Date: APR 29,2025

Item 项目	Specification 标准(USP43)	Result 检测结果
Appearance	White crystals or crystalline powder	Conforms
Identification	Infrared Absorption	Identical
Assay	98.0 to 102.0% (Calculated on the dried basis)	99.6%
Specific rotation $[\alpha]_D^{25}$	+21.0° to +27.0°	+23.8°
pH	2.0 to 2.8	2.3
干燥失重 Loss on Drying	Not more than 1.0 %	0.10%
Residue on ignition	Not more than 0.5%	0.07%
Heavy metals (Pb)	Not more than 0.001%	<0.001%
Lead	Not more than 3ppm	<3ppm
砷 Arsenic (As ₂ O ₃)	Not more than 1ppm	<1ppm
镉 Cadmium	Not more than 1ppm	<1ppm
汞 Mercury(Hg)	Not more than 0.1ppm	<0.1ppm
Residual Solvents	Meets the requirements	Conforms
粒度 Particle Size	20 Mesh	Conforms
Bulk Density	0.5-0.7 g/ml	0.78g/ml
Tapped Density	0.6-0.9 g/ml	0.88g/ml
Total plate count	Less than 1000 cfu/g	Conforms
Yeast & molds	Less than 100 cfu/g	Conforms
Coliforms:	Less than 10 cfu/g	Conforms
E Coli	Negative	Negative
Salmonella	Negative	Negative
Pseudomonas	Negative	Negative
S.Aureus	Negative	Negative

Conclusion :Agree with the specification of USP43. Remarks: FRESH GOODS, MADE IN CHINA

Manu. Date: FEB 25,2025 Expire Date: FEB 24,2028

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Turmeric Extract 4:1 Powder

Botanical Name	<i>Curcuma longa L.</i>
Batch No.	CP2412092
Production Date	14 December 2024
Expiry Date	13 December 2029
Country of Origin	China
Report Date	21 December 2024

Item	Standard	Result	Method
Identification	TLC Test	Positive	TLC
Description			
Appearance	Orange yellow powder	Complies	Visual
Odor&Taste Plant	Characteristic	Complies	Organoleptic
Part Used	Rhizome	Complies	Visual
EXTRACT	4:1	Complies	Visual
RATIO Extract	Ethanol & Ethyl acetate	Complies	Visual
Solvent Inspection			
Particle Size	95.00% through 80 meshes	98.60%	US#80 Sieve USP38-
Bulk Density	0.20-0.50 g/ml	0.42g/ml	NF33<616> USP38-
Tapped Density	0.30-1.00 g/ml	0.78g/ml	NF33<616> USP38-
Loss on Drying	10.00% max	5.12%	NF33<731> USP38-
Ash	10.00% max	0.08%	NF33<281>
Heavy Metals	10.00 mg/kg max	<10.00mg/kg	USP38-NF33<231>
Lead (Pb)	0.50 mg/kg max	0.02mg/kg	Atomic Absorption
Arsenic (As)	1.00 mg/kg max	0.07mg/kg	Atomic Absorption
Cadmium (Cd)	0.50 mg/kg max	Not Detected	Atomic Absorption
Mercury (Hg)	0.10 mg/kg max	Not Detected	Atomic Absorption
Solvents Residue	USP Standard	Complies	USP38-NF33<467>
Pesticides Residue	USP Standard	Complies	USP38-NF33<561>
Microbiological Insp.			
Total Bacterial Count	10,000 cfu/g max	30 cfu/g	USP38-NF33<2021>
Total Yeasts and Molds	1,000 cfu/g max	<10 cfu/g	USP38-NF33<2021>
Staphylococcus Aureus	Negative	Not Detected	USP38-NF33<2022>
Salmonella	Negative	Not Detected	USP38-NF33<2022>
E. Coli	Negative	Not Detected	USP38-NF33<2022>

Store in a well closed container at room temperature. Away from Moisture and Sun Light.

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