



General Nutrition, Inc.

100 Hartsfield Center Way

Atlanta, GA 30354

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D-Mannose Complex - Urinary Tract & Kidney Health

SKU: ROC917

CERTIFICATE OF ANALYSIS

Product Name	D-Mannose Complex - Urinary Tract & Kidney Health		
Product SKU	ROC917	Lot Number	DMA220908
Received Date	09/27/2022	Country of Origin	USA

ANALYSIS	METHOD	SPECIFICATION	RESULTS	STATUS
Identity / Physical Properties				
Appearance	SNL.MA.202	Capsules	Confirmed	PASS
Average Net Fill Weight	WI.USP.2091.02	N/A	651.80 mg	PASS
Active Ingredients (per serving)				
D-Mannose	WI.HPLC.201	> 500 mg	502.299 mg	PASS
Purity (Heavy Metals)				
Arsenic (As)	USP <2232>	< 15 ppm	0.049 ppm	PASS
Cadmium (Cd)	USP <2232>	< 5 ppm	0.008 ppm	PASS
Lead (Pb)	USP <2232>	< 5 ppm	0.014 ppm	PASS
Mercury (Hg)	USP <2232>	< 15 ppm	< 0.001 ppm	PASS
Microbiology				
Total Plate Count	AOAC Modified	< 100,000 cfu/g	25,000 cfu/g	PASS
Escherichia coli	PCR	None Detected	None Detected	PASS
Salmonella spp.	PCR	None Detected	None Detected	PASS
Staphylococcus aureus	PCR	None Detected	None Detected	PASS
Yeasts & Molds	AOAC Modified	< 10,000 cfu/g	< 1,000 cfu/g	PASS

Final Disposition

PASS

This product has been reviewed and approved by our FDA Approved Lab located in the United States of America.

The results reported in this Certificate of Analysis (COA) are truthful and representative of the lot. The finished product and all raw materials used to manufacture the batch have been found to meet required specification limits in accordance with 21 CFR 111 (cGMP) regulations and the product is duly released.

Analytical Highlights for Lot #DMA220908:

- **Active Ingredient Potency:** D-Mannose content confirmed at **502.299 mg per serving**, meeting the >500 mg specification.
- **Safety & Purity:**
 - **Heavy Metals:** Confirmed compliance with USP <2232> standards for Arsenic (**0.049 ppm**), Cadmium (**0.008 ppm**), Lead (**0.014 ppm**), and Mercury (**< 0.001 ppm**).
 - **Microbiology:** Full safety screening confirmed as **PASS** for pathogens including *E. coli*, *Salmonella*, and *S. aureus*. Total Plate Count and Yeast/Mold levels recorded within safe ranges.
- **Physical Metrics:** Average net fill weight confirmed at **651.80 mg** per capsule.
- **Final Disposition:** PASS