



VitaCare Pharma
CERTIFICATE OF ANALYSIS

Product:	Liposomal Spermidine 4 mg VCapsules
VC Code #	VC4255
Batch #	23J020
Date of Manufacture:	10/2023

	SPECIFICATIONS	RESULTS	METHOD OF ANALYSIS
Physical Testing:			
Description:	Beige powder in clear vegetarian capsule	Conforms	Visual
Size & Shape:	#0 Vegetarian Clear Capsule	Conforms	Visual
Target Weight:	620 mg (range 558 - 682 mg)	608 mg	USP/NF <2091>
Disintegration:	< 30 min. in water w/out disks	12 Min	USP/NF <2040>

	SPECIFICATIONS	LIMIT (% LABEL CLAIM)	RESULTS	METHOD OF ANALYSIS
Ingredients per Capsule:				
Spermidine (from Wheat Germ Extract)	4.000 mg	NLT 90%	106.70%	GC

Other ingredients: Vegetable Cellulose (Capsule), Sunflower Lecithin, Phosphatidylcholine 20% (From NON-GMO Sunflower Lecithin), Microcrystalline Cellulose, Silicon Dioxide, Magnesium Stearate

Allergen: NONE

Recommended Storage Condition: Store in a well closed container, preferably at 20°-25° C (68°-77°F) excursions permitted to 15°-30°C (59°-86°F), in a cool, dry place. Avoid excessive heat, light & moisture.

MICROBIOLOGICAL PROFILES: (USP/NF <2023>)

	Specifications	Results†	Method of Analysis
Total Microbial Count	< 10,000 cfu/g	< 10 cfu/g	USP/AOAC
Total Yeast & Mold	< 1,000 cfu/g	< 10 cfu/g	USP/AOAC
Coliforms	< 100 cfu/g	< 10 cfu/g	USP/AOAC
E.coli	Negative/10 g	Absent/10 g	USP/AOAC
Salmonella	Negative/10 g	Absent/10 g	USP/AOAC
Staphylococcus aureus	Negative/10 g	Absent/10 g	USP/AOAC

HEAVY METALS: (USP/NF <2232>)

	Specifications	Results	Method of Analysis
Lead	<1.0 ppm	0.033 ppm	ICP/MS
Arsenic	<1.5 ppm	0.045 ppm	ICP/MS
Mercury	<1.5 ppm	0.105 ppm	ICP/MS
Cadmium	<0.5 ppm	0.051 ppm	ICP/MS

NOTES:

† Microbiological results at the time of release.

* Verified Input means ensured by using corresponding raw material testing, executed batch production record verification, in-process quality control, mixing studies and documentation control.

Issued By/Date: (Vipul Govekar/QC Lab)	VG 11/15/23	Approved By/Date: (Manav Shah/Quality)	Manav 11/15/23
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