



CERTIFICATE OF ANALYSIS

PRODUCT NAME/DESCRIPTION:	Spermidine
FINISHED LOT NUMBER:	220504
EXPIRATION DATE:	05/2024
SERVING SIZE:	2 capsules

ASSAY (ACTIVE INGREDIENTS)

ANALYTE	SPECIFICATION (PER SERVING SIZE)	TEST METHOD	RESULT
Spermidine	NLT 5 mg (100% - 125%)	HPLC	6 mg

DESCRIPTION

TEST NAME	SPECIFICATION	METHOD	RESULT
Appearance / Color / Texture	Clear capsule containing white powder fill	Organoleptic	Conforms
Fill Weight	500 mg - 640 mg / capsule	Average	514 mg

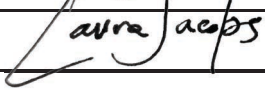
MICROBIAL REQUIREMENTS

TEST NAME	SPECIFICATION	METHOD	RESULT
Total Aerobic Plate Count	< 10,000 CFU / g	USP <2021>	Complies
Combined Total Yeast & Mold	< 1,000 CFU / g	USP <2021>	Complies
<i>Escherichia coli</i>	Absence in 10 g	USP <2022>	Negative
<i>Salmonella spp.</i>	Absence in 10 g	USP <2022>	Negative
<i>Staphylococcus aureus</i>	Absence in 10 g	USP <2022>	Negative



HEAVY METALS LIMITS

TEST NAME	SPECIFICATION	METHOD	RESULT
Arsenic	< 10 mcg/daily dose	ICP-MS	Complies
Cadmium	< 4.1 mcg/daily dose	ICP-MS	Complies
Lead	< .5 mcg/daily dose	ICP-MS	Complies
Mercury	< 1 mcg/daily dose	ICP-MS	Complies

	Authorized By	
	Name (printed)	Laura Jacobs
	Title	QA Manager
	Date (MM/YYYY)	07/2022