



CERTIFICATE OF ANALYSIS

PRODUCT NAME/DESCRIPTION:	Spermidine+
FINISHED LOT NUMBER:	23040502
EXPIRATION DATE:	06/2025
SERVING SIZE:	2 capsules

ASSAY (ACTIVE INGREDIENTS)

ANALYTE	SPECIFICATION (PER SERVING SIZE)	TEST METHOD	RESULT
Spermidine Trihydrochloride	NLT 21 mg (100% - 125%)	By Input	21 mg
Spermidine	NLT 1 mg (100% - 125%)	HPLC	11.57 mg

DESCRIPTION

TEST NAME	SPECIFICATION	METHOD	RESULT
Appearance / Color / Texture	Clear capsule containing tan powder	Organoleptic	Conforms
Fill Weight	300 mg - 350 mg / capsule	Average	313 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	< 0.5 mcg/daily dose	ICP-MS	Complies
Mercury	< 0.3 mcg/daily dose	ICP-MS	Complies

	Authorized By	
	Name (printed)	Jason Bollinger
	Title	Quality Manager
	Date (MM/YYYY)	08/2023