



Semax Spray

LOT NUMBER

XSP-2501B

DATE OF ANALYSIS

August 21, 2026

RETEST DATE

August 20, 2028

ANALYTICAL LABORATORY

Third-party HPLC/MS

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Appearance	Visual	Clear solution, free of particulates	Conforms
Identity	RP-HPLC retention time	Conforms to reference standard	Conforms
Assay (label claim)	RP-HPLC, UV 214 nm	95.0 - 105.0%	101.2%
Purity	RP-HPLC, UV 214 nm	NLT 98.0%	98.90%
pH	USP <791>	5.0 - 7.5	6.6
Fill volume	Gravimetric	NLT label claim	Conforms
Bacterial endotoxins	LAL, USP <85>	< 1.0 EU/mL	Conforms

CONFORMS — lot XSP-2501B meets all specifications listed above.

CHROMATOGRAPHIC CONDITIONS

Column: C18 reversed phase, 4.6 × 250 mm, 5 µm, 100 Å
Mobile phase A: 0.1% TFA in water · B: 0.1% TFA in acetonitrile
Gradient: 5-65% B over 30 min · Flow: 1.0 mL/min · 25 °C
Detection: UV 214 nm · Injection volume: 20 µL
Mass spectrometry: ESI, positive ion mode

STORAGE & HANDLING

Store at 2-8 °C, protected from light. Do not freeze.

RELEASED BY

Quality Control, Ascendtials LLC

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FOR LABORATORY RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE.

This certificate applies only to the lot identified above. Not for use in food, drugs, medical devices, or cosmetics.

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