



Oxytocin Spray

CAS NUMBER

50-56-6

MOLECULAR FORMULA

C43H66N12O12S2

MOLECULAR WEIGHT

1007.2 g/mol

SALT FORM

Acetate (in solution)

LOT NUMBER

OSP-2609A

DATE OF ANALYSIS

September 22, 2026

RETEST DATE

September 21, 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%	98.4%
Purity	RP-HPLC, UV 214 nm	NLT 98.0%	99.00%
pH	USP <791>	5.0 - 7.5	5.5
Fill volume	Gravimetric	NLT label claim	Conforms
Bacterial endotoxins	LAL, USP <85>	< 1.0 EU/mL	Conforms

CONFORMS — lot OSP-2609A 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

Solution: 2-8°C, protected from light. Do not freeze.
Use within 60 days of opening.

RELEASED BY

Quality Control, Ascendentials LLC

DATE OF ISSUE

September 22, 2026**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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