

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-16 14:59:55

Date of Next Testing: 2028-01-15 14:59:55

Product Name: **Spiramycin**

CAS Number: 8025-81-8

Specifications & Purity: $\geq 90\%$ (HPLC)

Lot #: A2408798

SKU #: **S112804**

Version: **0**

Analysis #: **297969**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Spiramycin II(On Dry Basis)	0-5 (%)	0.36000 %
Loss on drying	0-4 (%)	1.75329 %
Heavy metals	0-20 (ppm)	0.00000 ppm
Spiramycin I(On Dry Basis)	80-100 (%)	92.30000 %
Purity(Nonaqueous Titration)(calcd.on dried substance)	95-100 (%)	97.86000 %
Expressed in IU/mg (Dry Basis)	≥ 4100	4125.20000
Spiramycin III(On Dry Basis)	≥ 10 (%)	11.42000 %
Purity(HPLC area)(Total Composition)	90-100 (%)	91.08500 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH}(c=10))$ (after drying)	-85--77 (°)	-84.95000 °
Ignition Residue(Ash)	0-0.1 (%)	0.00000 %
Appearance (s112804)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Identity	pass	Pass
Related substances	Pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager