



INDOFINE Chemical Company, Inc.

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CERTIFICATE OF ANALYSIS

Product: Spectinomycin dihydrochloride pentahydrate

Code No: BIO-354

CAS No: 22189-32-8

Formula: $C_{14}H_{24}N_2O_{7.2}ClH_{.5}H_2O$

Batch No: 472969

Appearance: White powder

Assay: 658 $\mu\text{g}/\text{mg}$ (Content of $C_{14}H_{24}N_2O_7$)

Water: 17.5%

pH: 4.7

Specific optical rotation: $+17.8^\circ$

Residue on ignition: 0.12%

Identification (IR): Positive

Bacterial endotoxins: $<0.09 \text{ IU}/\text{mg}$

Prepared by:

Ramesh Mandadi

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Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton

VP