



Certificate of Analysis

Neomycin Sulfate

Catalog Number: NS1008
Lot Number: 0523702
CAS Number: 1405-10-3
Synonym(s): Neomycin B sulfate
Molecular Formula: $C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4$
Molecular Weight: 908.88
Storage: 15°C – 30°C, Hygroscopic
Date of Manufacture: November 11, 2016
Retest Date: November 10, 2021 (revised date)

Test	Specification	Result
Appearance	White to yellowish powder	Conforms
Potency (Dry Basis)	≥ 650IU/mg	670IU/mg
Identification	Positive reaction	Conforms
Sulfate	27 – 31%	30.6%
Solubility	Soluble in H ₂ O, insoluble in EtOH, acetone	Conforms
pH	5.0 – 7.0	6.4
Moisture (LOD)	≤ 6.0%	4.7%
Residue on Ignition	≤ 1.0%	0.6%
Neamine	≤ 2.0%	< 2.0%

Approved by:

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