



Specification

Neomycin Sulfate

Catalog Number: NS1008
CAS Number: 1405-10-3
Synonym(s): Neomycin B sulfate
Molecular Formula: $C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4 \cdot xH_2O$
Molecular Weight: 908.88 (Anhydrous)
Storage: 2°C – 8°C
Retest Period: Five years from the date of manufacture

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

Approved:

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