

## Certificate of analysis

### Neomycin Sulfate

CAS No.	1405-10-3	Code	BIOJNEO001
Batch No	SC-NM-20231108	Manufacture Date	Nov.23, 2023
Expiry Date	May.22, 2027	Quantity	6Kgs

Testing Items	Specifications	Results
Characters	White to slightly yellow powder, or cryodesiccated solid. Is odorless or practically so and is hygroscopic. Its solutions are dextrorotatory. Freely soluble in water, very slightly soluble in alcohol, insoluble in acetone, in chloroform, and in ether	Slightly yellow powder, odorless, hygroscopic. Solubility: Complies
Identification	A. Thin-layer chromatogram meets the requirements	Complies
	B. The retention time of the neomycin B peak of the Sample identification solution corresponds to that of the Standard solution, as obtained in the test for Composition of Neomycin Sulfate	Positive
	C. Positive	Positive
pH	5.0~7.5	6.4
Impurities	Neomycin A: $\leq 2.0\%$	0.3%
	Neomycin C: 3.0~15.0%	11.6%
	Any individual unspecified impurity: $\leq 5.0\%$	1.9%
	Total unspecified impurities: $\leq 15.0\%$	5.2%
Loss on drying	$\leq 8.0\%$	6.0%
Potency	Not less than 600 $\mu\text{g}/\text{mg}$ (dried basis)	689 $\mu\text{g}/\text{mg}$ (dried basis)
		648 $\mu\text{g}/\text{mg}$ (as is)
Conclusion	This product conforms to USP2023 standard	

**\*Storage condition: Store below 25°C, Protect from moisture and light.**