

### Certificate of Analysis

Product Name	Kanamycins sulfate
Catalog No.	V44911
Batch No.	V4491101

#### 1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	C <sub>18</sub> H <sub>36</sub> N <sub>4</sub> O <sub>11</sub> ·H <sub>2</sub> O <sub>4</sub> S
Molecular Weight	582.57712
Purity	≈98.43%
CAS No.	70560-51-9
Production Date	
Retest Date	2027-12-14

#### 2. Analytical Data

Test Item	Specification	Result
Identification	HPLC: Corresponds to the reference	Conforms
Purity	≥98%	98.43%
Specific rotation	+116.0~+123.0°	+119.1°
pH	7.0-9.0	8.2
Loss on drying	≤1.0%	0.4%
Residue on ignition	≤0.5%	0.3%
Content(Calculated on dried basis)	≥750U/mg	765U/mg

#### 3. Structure

Kanamycins  
(sulfate)

#### 4. Storage Condition

Storage Condition	Powder -20°C 3 years 4°C 2 years
	In solvent -80°C 6 months -20°C 1 month
<b>Note:</b> Please store this product in a sealed and protected environment, avoid exposure to moisture.	

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