



Bio Basic Inc.

A world leader in serving science

CERTIFICATE OF ANALYSIS

Product	Spectinomycin dihydrochloride pentahydrate
Grade	USP
Product Code	SB0901
Formula	$C_{14}H_{24}N_2O_7 \cdot 2HCl \cdot 5H_2O$
MW	495.35
CAS#	22189-32-8
Lot No	

Test Items	Specifications	Results
Appearance	White or almost crystalline powder	
Identification (IR)	IR Spectrum corresponds to that of the reference standard	
Crystallinity	Exhibits the phenomena of birefringence and extinction positions	
Specific optical rotation	$+15.0^\circ \sim +21.0^\circ$	
Bacterial endotoxin	<0.09 IU/mg	
pH	$3.8 \sim 5.6$	
Water (k.F.)	$16.0\% \sim 20.0\%$	
Residue on ignition	$\leq 1.0\%$	
Assay	$\geq 603 \mu\text{g} / \text{mg}$	

Storage: 2-8°C.

OF 21 Rev 2017

20 Konrad Cres. Markham Ontario L3R 8T4 Canada
Tel: (905) 474 4493, (800) 313 7224 Fax: (905) 474 5794
Email: order@biobasic.com Web: www.biobasic.com