



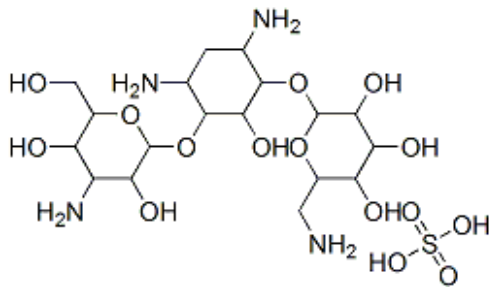
HANGZHOU DINGYAN CHEM CO., LTD

Tel:86-571-87157530 Fax:86-571-87156470

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CERTIFICATE OF ANALYSIS

NO: **DYC011312021**

Product name	Kanamycin acid sulphate(BP2010)
CAS Number	133-92-6
Molecule Structure	
Molecule Formula	Na2C03
Batch number	20131202
Manufacture Date	2013-12-02
Testing date	2013-12-02

Items	Standard	Result
Characters	A white or almst white powder hygroscopic, soluble in about 1 part of water practically insoluble in acetone and in alcohol.	Approved
Identification	A. Kanamycin by TLC	Approved
	B. Melting point ( $\approx 235^{\circ}\text{C}$ )	Approved
	C. Kanamycin by ninhydrin test	Approved
	D. Reaction of sulphate	Approved
PH	5.5 TO 7.5 (1% w/v)	6.5
Specific optical rotation	+103° to 105° (1% w/v)	+109°
Kanamycin B	$\leq 4.0\%$	Approved
Sulphate	23.0% to 26.0%	24.0%
Loss on drying	$\leq 5.0\%$ (60°C, $\leq 0.7\text{Kpa}$ , 3h)	3.0%
Sulphated ash	$\leq 0.5\%$	0.03%
Assay (dried substance)	$\geq 670$ IU/mg	689IU/MG
Abnormal toxicity	Approved	Approved
Pyrogens	Approved	Approved
sterility	Approved	Approved
Residual solvents	Ethanol $\leq 500\text{ppm}$	5ppm

ADD:RM 1118, NO.I BUILDING, BAIYUN TOWER, JIANGGAN AREA, HANGZHOU CITY, CHINA



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QUALITY CONTROL:

*Benlu Song*  
Signature(s)

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INSPECTOR: 刘清风