

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4429	
Compound name	Kanamycin Sulphate	
Chemical name	(2R,3S,4S,5R,6R)-2-(Aminomethyl)-6-[(1R,2R,3S,4R,6S)-4,6-diamino-3-[(2S,3R,4S,5S,6R)-4-amino-3,5-dihydroxy-6-(hydroxymethyl)oxan-2-	
Batch number	E0805-1-1	
Batch molecular formula	$C_{18}H_{36}N_4O_{11} \cdot 1.5H_2O$	
Batch molecular weight	609.60	

Method	QC requirement	QC Result
NMR	1H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (75 mM)	Meets specification

## Biological validation

Produced by	Signature	
Passed by	Signature	
	Date	25-05-18

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.