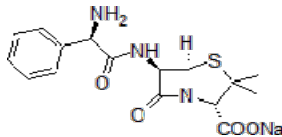


# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4322	
Compound name	Ampicillin sodium salt	
Chemical name	(2S,5R,6R)-6-[[[(2R)-2-Amino-2-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid sodium salt	
Batch number	E0804-1-1	
Batch molecular formula	C <sub>16</sub> H <sub>18</sub> N <sub>3</sub> O <sub>4</sub> SNa.0.5H <sub>2</sub> O	
Batch molecular weight	380.39	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >93% purity	Meets specification: 96.5%
NMR	<sup>1</sup> H 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 (100 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.