

**CERTIFICATE OF ANALYSIS**

PRODUCT NAME: Ampicillin Sodium Salt  
 GRADE: USP30  
 CAS NO. 69-52-3  
 BATCH NO. 18/MFM/2095  
 MANUFACTURING DATE: November 2017  
 EXPIRY DATE (EXTENDED): October 2019  
 MOLECULAR FORMULA: C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>O<sub>4</sub>SNa  
 MOLECULAR WEIGHT: 371.4

TESTS	SPECS	RESULTS
Description	White or almost white powder	Complies
Identification	A,D OR B,C,D Positive reaction	A,D Positive reaction
Appearance of solution	≤ 2	< 0.5
Absorbance	<- 0.15	0.008
pH	8.0 ~ 10.0	8.9
Methylene Chloride	≤0.2%	0.02%
Ampicillin Dimer	≤4.5%	2.6%
Water	≤2.0%	0.7%
Specific optical rotation	+258° ~ +287°	+273°
Bacterial Endotoxins	<0.15 EU/mg	<0.075 EU/mg
Assay (C <sub>16</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub> S)	91.0% ~ 102.0%	95.3%
Heavy Metals	≤20ppm	<20ppm
Sterility	Conforms	Conforms

Conclusion : The product complies with BP2015 standard.

Remark : N,N-Dimethylamine is not used in the manufacturing process of Ampicillin Sodium.

\* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved on behalf of  
 FORMEDIUM Ltd, Unit 1B  
 Hunstanton Commercial Park  
 PE36 5JQ, England  
 (Authorised Signature)

Date: 23 MAR 2018