



# Certificate of Analysis

## AMPICILLIN, SODIUM SALT

<u>Catalog #</u> IB02040	<u>Size</u> 25 gm
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**Catalog Number:** IB02040

**Lot Number:** 18B3011

**Molecular Formula:**  $C_{16}H_{18}N_3NaO_4S$

**Molecular Weight:** 371.39

**Appearance:** White to off-white crystalline powder

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>	<u>Units</u>	<u>Disposition</u>
Assay (anhydrous)	91	102	95.9	%	PASS
Bacterial Endotoxins		0.15	<0.15	IU/mg	PASS
Identification	PASS		PASS	P/F	PASS
Water (KF)		2.0	0.7	%	PASS
pH (1%, Water) @25°C	8.0	10.0	8.8		PASS
Dimethylaniline (P/F)	PASS		PASS	P/F	PASS
Specific Optical Rotation	+258	+287	+275	P/F	PASS
Methylene Chloride		0.2	<0.2	%	PASS
Solubility (50mg/mL in water)	PASS		PASS	P/F	PASS
Sterility	PASS		PASS	P/F	PASS

### Storage

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Ampicillin solution in light-tight container at -20°C.

*This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.*

Signature: K. Kutsch  
Date: 04/13/2018