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Certificate of Analysis

Product Description: Ampicillin Sodium Salt
Catalog Number: 190148
Lot: MR29217**Formula:** $C_{16}H_{18}N_3O_4SNa$ **CAS #:** 69-52-3**Physical Description:** White Powder**Formula Weight:** 371.4**Storage:** +4°C

Test	Specification	Result
Identity Test	Passes	Passes all three (IR, TLC, Chemical Reaction)
Potency	$\geq 800 \mu\text{g/mg}$	890 $\mu\text{g/mg}$
pH (1% aq soln)	8 - 10	9.1
Loss on Drying	$\leq 2\%$	1.58%
Expiration Date	Month/Day/Year	1/31/2013

Appearance of Solution:

- a) Test solutions are not more opalescent than the reference: Passes
- b) The absorbance of the water solution at 430 nm is <0.15: Passes

Optical Rotation: +270°

Related Substances:

- a) Ampicillin dimer is <4.5%: 2.6%
- b) Any other individual impurity is <2.0%: 0.71%

N,N-Dimethylaniline: None Found

2-Ethylhexanoic Acid: None Found

Methylene Chloride: <0.2% m/m

Heavy Metals: <20 ppm

Sterile

Bacterial Endotoxins: <0.15 IU endotoxin/mg

Assay: 94.9%

Foreign Matter:

-- 10 µm to 6000: 587

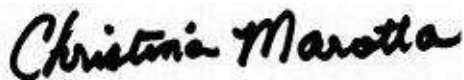
-- 25 µm to 600: 1

Acetone: 0

Specific Volume (Bulk): 2.0 ml/g

Specific Volume (Tapped): 1.5 ml/g

2-Propanol: 0.4855%



05/21/2012 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

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<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)