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## Certificate of Analysis

**Product Description:** Amikacin, USP  
**Catalog Number:** 199870  
**Lot:** SR03895**Formula:**  $C_{22}H_{43}N_5O_{13}$ **CAS #:** 37517-28-5**Physical Description:** White Powder**Formula Weight:** 585.6**Storage:** 2 - 8°C, desiccate

| Test                                         | Specification | Result     |
|----------------------------------------------|---------------|------------|
| Identity Test A                              | Passes        | Passes     |
| Identity Test B                              | Passes        | Passes     |
| Specific Rotation<br>(c=2, H <sub>2</sub> O) | +97 to +105°  | +101.77°   |
| Crystallinity                                | Passes        | Passes     |
| pH (c=1, H <sub>2</sub> O)                   | 9.5 - 11.5    | 10.75      |
| Water                                        | ≤8.5%         | 7.28%      |
| Residue on Ignition                          | ≤1.0%         | 0.09%      |
| Assay                                        | ≥900 µg/mg    | 935 µg/mg  |
| Expiration Date                              | Month/Year    | 03/07/2024 |

03/09/2021 - John Huang, PhD  
MP Biomedicals, LLC.  
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