



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-205634  
Lot Number: SAMPLE  
Product Name: Clarithromycin  
CAS Number: 81103-11-9  
Molecular Formula:  $C_{38}H_{69}NO_{13}$   
Molecular Weight: 747.95

| Test                | Specification             | Result   |
|---------------------|---------------------------|----------|
| Appearance          | White Crystal Powder      | Complies |
| Crystallinity       | As stipulated             | Complies |
| Assay (UPLC)        | 96% ~ 104.0%              | 98.4%    |
| pH                  | 8.0 ~ 10.0                | 8.40     |
| Residue on Ignition | NMT 0.3%                  | 0.09%    |
| Infrared Spectrum   | Consistent with Structure | Complies |
| Optical Rotation    | -89 ~ -95°                | -92.5°   |
| Heavy Metals        | NMT 20 ppm                | Complies |
| Total Impurities    | NMT 3.0%                  | 1.36%    |
| Water Content       | NMT 2.0%                  | 0.75%    |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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