

Certificate of Analysis



| Product Identification | | Chemical Structure |
|-------------------------|---|--|
| Catalog number | HB4336 | |
| Compound name | Azithromycin | |
| Chemical name | 13-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-[[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylo-hexopyranosyl]oxy]-1-oxa-6- | |
| Batch number | E1348-1-1 | |
| Batch molecular formula | C ₃₈ H ₇₂ N ₂ O ₁₂ ·1.5H ₂ O | |
| Batch molecular weight | 776.02 | |
| Method | QC requirement | QC Result |
| NMR | 1H NMR in DMSO at 400 MHz consistent with structure | Meets specification |
| Mass spectrum | Electrospray positive analysis consistent with structure | Meets specification |
| Microanalysis | Elemental analysis is within 0.4% for the batch molecular formula | Meets specification |
| TLC | TLC analysis in 40% PAW/BuOH shows one spot under PMA | Meets specification: R _f =0.7 |
| Physical appearance | White to off-white solid | Meets specification: White solid |
| Solubility | Soluble in DMSO (100 mM) and in EtOH (100 mM) | Meets specification |

Produced by

Signature

Passed by

Signature

Date

19-06-20

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.