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| | | CERTIFICATE OF QU | JALITY | | |
|-----------------------------|--------------------------|-------------------|--------|--------------|--------------------|
| Product: | ERYTHROMYCIN | | | | |
| Grade: | USP GRADE | | | | |
| Code: | 0219 | | | | |
| Appearance: | White crystalline powder | | | | |
| Mol. Formula: | C37H67NO13 | | | | |
| <u>Mol. Weight:</u> | 733.94 | | | | |
| Description: | | | | | |
| <u>Assay:</u> | | <u>Min</u> | Max | <u>Units</u> | Disposition |
| Crystallinity | | PASS | | P/F | PASS |
| Expiration Date | | REPORT | | | PASS |
| Identification | | PASS | | P/F | PASS |
| Limit of Related Substances | | | PASS | P/F | PASS |
| Moisture (KF) | | | 10.0 | % | PASS |
| Purity (Anhydro | us) | 85.0 | 100.5 | % | PASS |
| Residue after Ignition | | | 0.2 | % | PASS |
| Specific Rotation | | -78 | -71 | degrees | PASS |
| Thiocyanate | | | 0.3 | % | PASS |

Store at room temperature. Protect from moisture. Storage:

| 219USP | This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative. |
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| Signature: | Rou: Curren |

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Title:

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QC MANAGER

6/6/2012

Date: