

Certificate of Analysis

Date of Testing: 2023-07-19 18:20:16

Date of Next Testing: 2025-07-18 18:20:16

Product Name: **Roxithromycin**

CAS Number: 80214-83-1

Specifications & Purity: $\geq 98\%$

Lot #: G2314170

SKU #: **R129251**

Analysis: **041258**

Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|--|---------------------------|---------------------------|
| Oxygen by Elemental Analysis | 27.9-29.2 (%) | 28.55 % |
| Water by Karl Fischer | 0-3 (%) | 3.00 % |
| Purity(HPLC) | 98-100 (%) | 99.74200 % |
| Carbon by Elemental Analysis | 57.7-59.3 (%) | 59.18 % |
| Specific Rotation $[\alpha]_{20/D}(c=10\text{mg/ml in Acetone})$ | -96--93 (°) | -95.89° |
| Appearance (R129251) | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in MeOH , Colorless Clear,10 mg/ml | pass | Pass |



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