

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	38376
Lot Number	002197-220819
Product	Rifabutin Ansamycin
CAS Number	72559-06-9
Molecular Formula	C ₄₆ H ₆₂ N ₄ O ₁₁
Molecular Weight	847.02

Appearance	Reddish-violet amorphous powder
Solubility	Soluble in chloroform and methanol, slightly soluble in ethanol, and very slightly soluble in water
Water Content (Karl Fisher)	1.1%
Yeast and Mold	Not detected
Residual Solvents	Acetone, pyridine : Not detected Dichloromethane : 183 ppm Ethanol : 271 ppm Dimethylformamide, Ethylene glycol monomethyl ether, Tetrahydrofuran, Ethyl acetate : Not detected Cyclohexane : 32 ppm
E. Coli	Not detected
Microbial Count	Not detected
Related Substances	RRT0.5 : 0.1% RRT0.6 : 0.2% RRT0.8 : 0.6% RRT1.4 : 0.1% Any other impurity : 0.2% Total impurity peaks : 1.6%
Assay (anhydrous basis)	986 ug/mg
Grade	meets USP specification
Storage	Store at 0 - 8 °C

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Additional Information

Identification :

Test for A : Passes test

Test for B : Passes test

N-Isobutylpiperidone : No spot in the chromatogram of the test solution at an RF value corresponding to that of N-isobutylpiperidone is more intense than that of the principal spot observed in the chromatogram obtained from the Standard solution containing 0.05g of N-isobutylpiperidone per mL (0.5%)

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager