



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

Catalogue Number	BIO-346
Product	<b>Rifampicin</b>
Lot Number	002943-20201110 3-(4-Methylpiperazinyliminomethyl)rifamycin SV Rifampin
CAS Number	13292-46-1
Molecular Formula	C <sub>43</sub> H <sub>58</sub> N <sub>4</sub> O <sub>12</sub>
Molecular Weight	823

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Appearance	Red-brown crystalline powder
Solubility	Very slightly soluble in water Freely soluble in chloroform Soluble in ethylacetate and in methanol
Crystallinity	Passes test
pH	5.7
Mould and Yeast	< 100 cfu/g
Infrared Spectrum	Conforms to structure
Loss on Drying	0.3%
Residual Solvents	Acetone : < 5000 ppm 1-Butanol : < 5000 ppm Ethyl acetate : < 5000 ppm Butyl acetate : < 5000 ppm N,N-Dimethylformamide : < 880 ppm
E. Coli	Absent
Microbial Count	< 1000 cfu/g (TAMC)
Related Substances	Rifampicin quinone : 0.4% Any other individual related substance : 0.5% Total impurities other than Rifampin quinone : 1.7%
Assay by titration	99.1% (On dry basis)
Grade	USP
Storage	Store at 0 - 8 °C

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