Government of Nepal
Ministry of Health and Population
Department of Drug Administration
National Medicines Laboratory
Quality and Method Validation Section

Norfloxacin Oral Powder (vet)

Analytical Profile No.: Norf 076/077/AP 079

Norfloxacin Orap Powder (vet) contains not less than 90.0% and not more than 110.0% of the stated amount of Norfloxacin.

1. Identification:

In the assay, the peak maxima in the spectrum obtained with the test solution should correspond to the peak maxima in the spectrum obtained with the reference solution of Norfloxacin.

2. Assay: *Determine by UV-Vis spectrophotometer*

2.1 Test solution: Weigh sample equivalent to 50 mg of Norfloxacin and transfer into 100 ml volumetric flask. Add about 70 ml of 0.1M HCl, and sonicate for about 10-15 minutes, cool at room temperature and make up the volume to 100 ml with same solvent. Dilute 1 ml of the resulting solution to 100 ml with same solvent.

2.2 Reference solution: Weigh accurately about 50 mg of Norfloxacin WS and transfer into 100 ml volumetric flask. Dissolve with 0.1M HCl and make up the volume to 100 ml with same solvent. Dilute 1 ml of the resulting solution to 100 ml with same solvent.

2.3 Procedure: Measure the absorbance of the reference and test solution at the maximum at 277 nm using 0.1M HCl as blank. Calculate the content of Norfloxacin in the powder.

3. Other tests: As per pharmacopoeial requirements.