

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

Analytical profile of Enrofloxacin Oral Solution

Analytical Profile No.: Enrof 076/077/AP 067

Enrofloxacin Oral Solution contains not less than 90.0% and not more than 110.0% of the stated amount of Enrofloxacin.

1. Identification:

The solution prepared for the assay exhibits maxima at 277nm and its spectrum concordant with the spectrum of reference solution.

2. pH: As per manufacturer's specification

3. wt/ml: As per manufacturer's specification

4. Assay:

4.1 Test Solution: Weigh the sample equivalent to 50mg of Enrofloxacin in 100ml volumetric flask, dissolve it in 0.1M HCl and make up the volume with same solvent. Dilute 1ml of resulting solution to 100ml with same solvent.

4.2 Reference Solution: Weigh accurately about 50 mg of *Enrofloxacin WS* in a 100 ml volumetric flask, dissolve it in 0.1M HCl and make up the volume with same solvent. Dilute 1ml of resulting solution to 100ml with same solvent.

4.3 Procedure: Measure the absorbance of both reference and test solution in UV-Vis Spectrophotometer at a wavelength of 277 nm against 0.1M HCl as blank.

Calculate the content of Enrofloxacin in the solution.

5. Other tests: As per pharmacopoeial requirement.