

**DEPARTMENT OF DRUG ADMINISTRATION**  
**National Medicines Laboratory**  
**ANALYTICAL METHOD VALIDATION COMMITTEE**

**Enrofloxacin Oral Solution (Vet)**

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

Enrofloxacin Oral Solution contains not less than 90 % and not more than 110 % of the stated amount of Enrofloxacin.

**1. Identification:** The solution prepared for the assay exhibits maxima at 277 nm and its spectrum is concordant with the spectrum of reference solution.

**Tests:**

**2. pH:** 10.5 to 12.5

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

**4. Assay:**

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

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

**5. Other tests:** As per pharmacopoeial requirement.