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

Levamisole Oral Powder [Veterinary]

Analytical Profile No.: Levami 079/080/AP 131

Levamisole Hydrochloride oral powder contains not less than 90.0% and not more than 110.0% of the stated amount of Levamisole Hydrochloride.

Usual Strength: Each gm contains

Levamisole Hydrochloride 200 mg

1. Identification:

The light absorbance in the range from 200 nm to 300 nm of the solution obtained in the assay for Levamisole HCl exhibits maximum absorbance at about 214 nm.

2. Assay: *Determine by UV Spectrometry*

Diluent: 0.1 M Hydrochloric acid. [Dissolve 8.5 ml of concentrated hydrochloric acid in 1000 ml of double distilled water].

2.1 Test solution: Weigh accurately 250 mg powder i.e equivalent to 50 mg of Levamisole hydrochloride) and transfer to 100 ml volumetric flask and add 70 ml of diluent and shake for 10 minutes and make up the volume with same solvent. Filter the solution through what man filter paper no 4; further dilute 1 ml to 100 ml with the same solvent.

2.2 Reference solution: : Weigh accurately 50.0 mg of Levamisole hydrochloride WS and transfer to 100 ml volumetric flask and add 70 ml of diluent and shake for 10 minutes and make up the volume with diluent. Further dilute 1 ml to 100 ml with same solvent.

2.3 Procedure: Measure the absorbance of standard and sample at 314 nm using diluent as blank. Calculate the percentage content of Levamisole HCl in the oral solution.

3. Other tests: As per Pharmacopoeial requirements.