

PRODUCT SPECIFICATION

Product : **Enrofloxacin Base**

Appearance	:	Slightly yellow or pale orange yellow crystalline powder, odorless, slightly bitter; becoming orange-red on exposure to light.
Solubility	:	Freely soluble in chloroform, sparingly soluble in Dimethyl-Formamide, slightly soluble in Methanol, and in Sodium Hydroxide TS, very slightly soluble in water.
Melting range	:	221 – 226°C
Identification	:	1) HPLC: the retention time of the major peak of the sample solution corresponds to the reference 2) IR: conforms to the reference spectrum
Clarity of solution	:	Clear (1 g/20 ml IN 0.15 mol/L NaOH solution)
Colour of solution	:	Not more intensely coloured than Y4 or GY4 (1 g/20 ml IN 0.5 mol/L NaOH solution)
Fluoroquinolonic Acid	:	≤ 0.2 %
Related substances	:	1) Ciprofloxacin ≤ 0.5 % 2) Any other single impurity ≤ 0,3 % 3) total impurities ≤ 0.7 %
Loss on drying	:	≤ 0.5 %
Residue on ignition	:	≤ 0.2 %
Heavy metals	:	≤ 20 ppm
Assay	:	≥ 99.0 % (dried substance)



MSDS : available upon request