

Specification

Technical Data Sheet

Product Name	Levofloxacin
Product No	24520686
CAS Number	100986-85-4
Storage Temperature	2 to 8 °C
Molecular Weight	361.37
	Specification
Appearance	White to light yellow crystalline powder
Conclusion	Conforms to USP specification
Heavy metals	≤10ppm
Loss on Drying	2.0% - 3.0%
pH	6.8 - 8.0
Residue on ignition	≤0.1%
Specific rotation	-92° to -99°

Specification

Assay (HPLC)

≥98.0%

Limits

The peak area of levofloxacin shall not be larger than the main peak area of control solution 1%

Related Substances

HPLC determination

Residual solvent

Method for determination of residual solvents

Solubility in water

Slightly soluble in water, Slightly soluble in ethanol, insoluble in either, soluble in glacial acetic acid, slightly soluble in 0.1 mol/L hydrochloric acid solution.

Identification (HPLC)

The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay

Identification (IR)

Conforms to the spectrum of Levofloxacin RS

Identification (UV)

visible spectrophotometer, IR, HPLC
