



Certificate of analysis

Product name: Marbofloxacin

Cas number: 115550-35-1

Molecular Formula: C₁₇H₁₉N₄O₄F

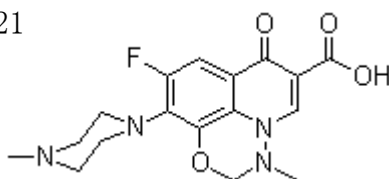
Molecular Weight: 362.36

Date of production: Mar. 27, 2019

Batch No: 20190327

Exp Date: Mar. 26, 2021

Chemical structure:



| Items | Specifications | Results |
|---------------------------|--|--|
| Appearance | Light yellow crystalline powder | Conforms |
| Identification(IR) | Conforms to the marbofloxacin CRS | Conforms |
| Solubility | Slightly soluble in water, sparingly soluble or slightly soluble in methylene chloride slightly soluble in ethanol(96 percent) | Conforms |
| Loss On Drying | ≤0.5% | 0.06% |
| Heavy metals | ≤20ppm | Conforms |
| Absorbance | ≤0.20 | 0.031 |
| Sulphated ash | ≤0.1% | 0.01% |
| Related substance | Impurities C ,D,E ≤0.2% Impurities A ,B ≤0.1% Any other single impurity ≤0.2% Total impurities ≤0.5% | 0.06% Not detected Not detected 0.06% |
| Residual solvents | ethanol ≤5000ppm toluene ≤890ppm Methylene chloride ≤600ppm | 323ppm 231ppm Not detected |
| Assay | 99.0%~101.0% (Dried substance) | 100.2% |

Conclusion: It complies with the EP7.0 Standard.