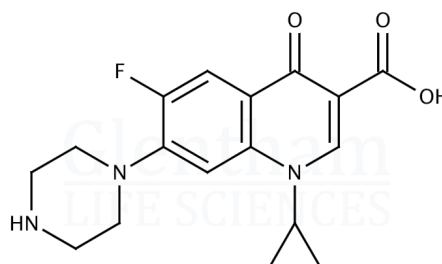


## Certificate of Analysis

Product Name	Ciprofloxacin hydrochloride monohydrate
Glentham Code	GA2367
CAS Number	86393-32-0
MDL Number	MFCD00242856
Additional CAS	93107-08-5 (anhydr.)
Additional CAS	86483-48-9 (anhydr.)
PubChem SID	310270282
Batch Number	413NQP

Molecular Weight	385.82
Molecular Formula	$C_{17}H_{18}FN_3O_3 \cdot HCl \cdot H_2O$
Storage Temp.	+20°C



HCl H<sub>2</sub>O

Property	Specification	Batch 413NQP
Physical Description	White to pale yellow crystalline powder	Off-white crystalline powder
Identification	A, B, C according to USP	Conforms
pH (2.5% in water)	3.0 - 4.5	3.64
Water	4.7 - 6.7 %	5.5%
Residue on Ignition	≤ 0.1%	Conforms
Any Individual Impurity	≤ 0.2%	≤ 0.1%
Total Impurities	≤ 0.5%	0.1%
Assay	98.0 - 102.0 % (anhydrous basis)	100.4%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.1
Manufacture Date	2021-12-09
Re-Test Date	2031-03-08

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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