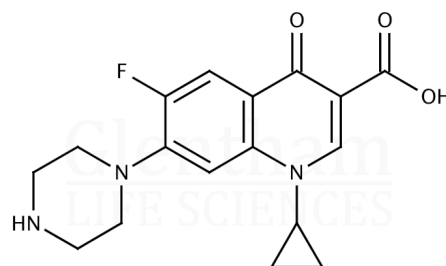


Certificate of Analysis

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 H₂O

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 or contact us using the details above for the current version of this document.

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