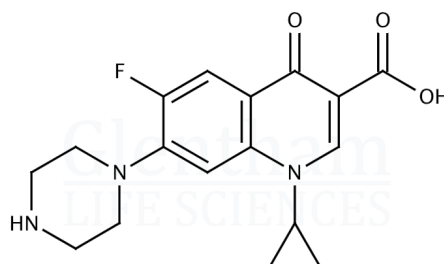


Certificate of Analysis

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	539OLW

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 539OLW
Physical Description	White to pale yellow crystalline powder	Off-white powder
Identification	A, B, C according to USP	Conforms
pH (2.5% in water)	3.0 - 4.5	3.87
Water	4.7 - 6.7 %	5.86%
Residue on Ignition	≤ 0.1%	0.02%
Any Individual Impurity	≤ 0.2%	Conforms
Total Impurities	≤ 0.5%	Conforms
Assay	98.0 - 102.0 % (anhydrous basis)	99.8%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.1
Manufacture Date	2021-01-08
Re-Test Date	2030-03-11

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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