

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	30698
<b>Lot Number</b>	002197-230101
<b>Product</b>	<b>Moxifloxacin hydrochloride</b> 1-Cyclopropyl-6-fluoro-8-methoxy-7-[(4aS,7aS)-
<b>CAS Number</b>	186826-86-8
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>24</sub> FN <sub>3</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	437.89
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<b>Appearance</b>	Light yellow or yellow crystalline powder
<b>Anion</b>	Sulphate (SO <sub>4</sub> ) : < 0.04%
<b>Water Content (Karl Fisher)</b>	4.2%
<b>pH</b>	4.2
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -133 °
<b>Residual Solvents</b>	Ethanol : 1950 ppm Methanol : 385 ppm Acetonitrile : Not detected Acetic acid : 235 ppm
<b>Microbial Count</b>	< 1000 cfu/g (TAMC)
<b>Related Substances</b>	Moxifloxacin related compound A, B, C, D, and E : < 0.03% Other single impurities : < 0.03% Total impurities : 0.4%
<b>Residue On Ignition</b>	< 0.1%
<b>Sulfated Ash</b>	< 0.1%
<b>Assay (anhydrous basis)</b>	99.10%
<b>Grade</b>	Meets USP specification
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : Test for A : Infrared spectrum : Conforms to structure Test for B : Passes test Test for C chloride : Passes test Enantiomer purity : < 0.15%

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**