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# Certificate of Analysis

## Technical Data Sheet

<b>Product Name</b>	Levofloxacin
<b>Product No</b>	24520686
<b>CAS Number</b>	100986-85-4
<b>Expiry/Re-test Date</b>	Feb 14th, 2027
<b>Batch Number</b>	212412
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	361.37

	<b>Specification</b>	<b>CofA</b>
<b>Water</b>	2.0%—3.0%	2.4%
<b>Assay</b>	98% - 102%	98.8%
<b>Optical Rotation</b>	-92° - -106°	Conforms
<b>Residue on Ignition</b>	≤0.2%	0.01%
<b>Total Impurities</b>	≤0.5%	0.12%
<b>Appearance</b>	White or yellow light crystalline powder	White powder
<b>Identification (IR)</b>	Conforms to the spectrum of Levofloxacin RS	Conforms
<b>Heavy Metal</b>	≤10ppm	Conforms
<b>Identification (HPLC)</b>	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay	Conforms
<b>Total Impurities</b>	≤0.5%	0.12%
<b>N-Desmethyl levofloxacin</b>	≤0.3%	Conforms
<b>Diamine derivative</b>	≤0.3%	Conforms
<b>Levofloxacin N-oxide</b>	≤0.3%	Conforms
<b>9-Desfluoro levofloxacin</b>	≤0.3%	Conforms
<b>D-Isomer</b>	≤0.8%	Conforms