

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	14320
Lot Number	002638-09-125
Product	Sparfloxacin
CAS Number	110871-86-8, 11542-93-9
Molecular Formula	C ₁₉ H ₂₂ F ₂ N ₄ O ₃
Molecular Weight	392.41

Appearance	Yellow crystalline powder
Melting Point	265 °C
Heavy Metals	< 20 ppm
Water Content (Karl Fisher)	< 1.0%
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	< 0.5%
Residual Solvents	Conforms to requirement
Related Substances	< 0.4% Single impurity: < 0.4%
Residue On Ignition	< 0.2%
Purity by HPLC	99%
Purity by UV	Conforms
Grade	USP/BP/EP
Application	Used to inhibit bacterial DNA gyrase-dependent processes such as DNA polymerization, ATP-dependent-DNA supercoiling, and chromosome fragmentation.
Storage	Store at 0-8 °C

Certificate of Analysis

Catalog Number: 14320

Lot Number: 002638-09-125

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager