



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-204763A
Lot Number: SAMPLE
Product Name: Gemcitabine Hydrochloride
CAS Number: 122111-03-9
Molecular Formula: $C_9H_{11}F_2N_3O_4 \cdot HCl$
Molecular Weight: 299.66

Test	Specification	Result
Appearance	White crystalline powder	Complies
Assay (HPLC)	98 - 102% (dry basis)	99.5%
Identification (Chloride)	Conforms to structure	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
pH	2.0 - 3.0	2.53
Residue on Ignition	$\leq 0.1\%$	0.02%
Solubility	Soluble in water; Slightly soluble in methanol; Practically insoluble in acetone.	Complies
Loss on Drying	$\leq 1.0\%$	0.5%
Related Substances	Impurity A $\leq 0.1\%$ Unspecified impurities $\leq 0.1\%$ Total impurities $\leq 0.2\%$	0.03% 0.05% 0.2%
Sulfated Ash	$\leq 0.1\%$	Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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