



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-202186
Lot Number: SAMPLE
Product Name: Irinotecan hydrochloride trihydrate
CAS Number: 136572-09-3
Molecular Formula: $C_{33}H_{38}N_4O_6 \cdot HCl \cdot 3H_2O$
Molecular Weight: 677.1

Test	Specification	Result
Appearance	Light yellow or yellow crystalline powder	Complies
Assay (Dried Basis)	98 - 102%	101.20%
Identification (HPLC)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (UV)	Consistent with structure	Complies
pH	3.0 - 5.0	4.19
Color of Solution	Not more intensely colored than the reference solution YG4	Not more intensely colored than the reference solution YG2
Heavy Metals	≤ 20 ppm	Complies
Related Substances	SN-38 $\leq 0.1\%$ Camptothecin $\leq 0.1\%$ 7-Ethylcamptothecin $\leq 0.1\%$ Other single impurities $\leq 0.1\%$ Total impurities $\leq 1.0\%$	0.00% 0.00% 0.00% 0.08% 0.19%
Sulfated Ash	$\leq 0.1\%$	0.07%
Water Content	7.0% - 9.5%	9.33%

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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