



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-203984
Lot Number: SAMPLE
Product Name: Granisetron hydrochloride
CAS Number: 107007-99-8
Molecular Formula: $C_{18}H_{24}N_4O.HCl$
Molecular Weight: 348.87

Test	Specification	Result
Appearance	White or almost white powder	Complies
Identification (Chloride)	Concordant with R.S	Complies
Identification (Infrared Spectrum)	Concordant with R.S	Complies
Purity (HPLC)	97.0%~102.0%	99.9%
Residual Solvents	Methanol $\leq 0.3\%$ Toluene $\leq 0.089\%$ Dichloromethane $\leq 0.06\%$	Complies Complies Complies
Solubility	Freely soluble in water, sparingly soluble in Methylene chloride, slightly soluble in methanol.	Complies
Solution (Clarity)	Clear and colourless	Complies
Acidity	4.0~6.5 (pH)	5.1
Heavy Metals	$\leq 20\text{ppm}$	Complies
Impurity	$\leq 0.5\%$ (TLC)	Complies
Loss on Drying	$\leq 0.5\%$	0.1%
Related Substances	Impurity A $\leq 1.0\%$ Impurity B $\leq 0.5\%$ Impurity C $\leq 0.2\%$ Impurity D $\leq 0.1\%$ Any other impurity $\leq 0.1\%$ Total $\leq 1.0\%$	0.01% 0.01% 0.01% 0.005% Complies 0.1%
Sulfated Ash	$\leq 0.1\%$	0.04%

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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