



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-200179
Lot Number: SAMPLE
Product Name: Galanthamine Hydrobromide
CAS Number: 1953-04-4
Molecular Formula: $C_{17}H_{21}NO_3 \cdot HBr$
Molecular Weight: 368.3

Test	Specification	Result
Appearance	White crystalline powder	Complies
Purity (HPLC)	98 - 102% (Galanthamine)	99.83%
Melting Point	258 - 264 °C	260 °C
pH	4.5 - 6.5	5.5
Solubility	Slightly soluble in water	Complies
Specific Rotation	-90° - -100° (2% in water)	- 97.2°
UV Absorption	79.6 - 86.2 (289 nm, 50 µg in 1 ml water)	81.9
Heavy Metals	≤ 10 ppm	Complies
Loss on Drying	≤ 1.0%	0.26%
Related Substances	Single impurity: ≤ 0.1% Total impurities: ≤ 1.0% Dihydrogalantamine: ≤ 0.1% Alkaloid: Consistent with standard	0.04% 0.0786% 0.063% Complies
Arsenic	≤ 2 ppm	Complies
Sulfated Ash	≤ 1.0%	0.08%

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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