

CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-280015 Lot Number: SAMPLE

Product Name: Pramipexole dihydrochloride monohydrate

CAS Number: 191217-81-9

Molecular Formula: $C_{10}H_{17}N_3S_2CIHH_2O$

Molecular Weight: 302.268

Test	Specification	Result
Appearance	White or almost white crystalline powder	White crystalline powder
Enantiomeric Content	≤0.50%	0.05%
Identification	Specific optical rotation	Conforms
Identification	Enantiometric impurity D not more than 0.5%	Conforms
Identification	Gives chloride reaction	Conforms
Identification (Infrared Spectrum)	Conforms to structure	Complies
Purity (HPLC)	99.0%~101.0%	100.1%
рН	2.8~3.4	3.01
Residual Solvents	Acetone ≤5000ppm Ethanol ≤ 5000ppm Chloroform ≤60ppm Ethyl acetate ≤5000ppm Tetrahydrofiran ≤5000ppm	Not found 200ppm Not found 89ppm Not found
Solubility	Freely soluble in water, soluble in methanol, slightly soluble in ethanol and practically insoluble in dichloromethan	Complies
Solution (Color)	Not more intensely coloured than reference solution Y6	Complies
Optical Rotation (α20/D)	-67°~-69.5°(C=1.0, methanol)	68.1°
Heavy Metals	≤10ppm	<10ppm
Related Substances	Impurity A (≤0.15%) Impurity B (≤0.15%) Impurity C (≤0.15%) Any unspecified impurity (≤0.10%) Total impurity (≤0.50%)	0.114% Not found Not found Not found 0.114%

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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Sulfated Ash	≤0.1%	0.05%
Water Content (KF)	4.5%-6.5%	6.00%

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