



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-218517
Lot Number: SAMPLE
Product Name: Fluticasone propionate
CAS Number: 80474-14-2
Molecular Formula: $C_{25}H_{31}F_3O_5S$
Molecular Weight: 500.57

Test	Specification	Result
Appearance	White or almost white crystalline powder	Almost white powder
Purity (HPLC)	$\geq 98\%$	99.2%
Solubility	Practically insoluble in water, freely soluble in dimethylformamide, sparingly soluble in acetone and dichloromethane, slightly soluble in ethanol (96%)	Complies
Infrared Spectrum		Complies
Optical Rotation	$+32^{\circ} - +36^{\circ}$	$+33.3^{\circ}$
Loss on Drying	$\leq 2.0\%$	0.24%
Single Impurity	$\leq 0.3\%$	Complies
Total Impurities	$\leq 1.0\%$	0.75%

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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