



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-364620
Lot Number: SAMPLE
Product Name: Sitagliptin phosphate monohydrate
CAS Number: 654671-77-9
Molecular Formula: $C_{16}H_{15}F_6N_5O \cdot H_3PO_4 \cdot H_2O$
Molecular Weight: 523.32

Test	Specification	Result
Appearance	White or almost white powder	Complies
Assay (HPLC)	98-102% (as dry basis)	99.5%
Identification (HPLC)	Conforms to structure	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Residue on Ignition	$\leq 0.1\%$	0.03%
Solubility	Easily soluble in water	Complies
Specific Rotation	-18° to -23° (c = 1, water)	-21.3°
Heavy Metals	≤ 20 ppm	Complies
Related Substances	Single impurity $\leq 0.5\%$ Total impurity $\leq 1.0\%$	0.05% 0.15%
Chloride	$\leq 0.05\%$	$< 0.02\%$
Phosphate	18.0 - 20.0%	19.0%
Sulfate	$\leq 0.02\%$	$< 0.01\%$
Water Content	3.0 - 5.0%	3.85%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com