



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-203803  
Lot Number: SAMPLE  
Product Name: Adapalene  
CAS Number: 106685-40-9  
Molecular Formula:  $C_{28}H_{28}O_3$   
Molecular Weight: 412.52

Test	Specification	Result
Appearance	Off-white or white crystalline powder	Complies
Assay (HPLC)	≥99%	99.59%
Identification (HPLC)	Conforms to structure	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Melting Point	319-322 °C	320-322 °C
Particle Size	≤50 um	Complies
Residue on Ignition	≤0.1%	0.07%
Loss on Drying	≤0.5%	0.34%
Related Substances	Single impurity ≤0.3% Total impurities ≤0.5%	0.27% 0.41%
Chloride	≤0.02%	Complies
Solvent residue	DMA ≤0.1% HAc ≤0.5%	≤0.01% ≤0.01%
Vitriol	≤0.02%	Complies

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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