



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-201223
Lot Number: SAMPLE
Product Name: PGE1 (Prostaglandin E1)
CAS Number: 745-65-3
Molecular Formula: $C_{20}H_{34}O_5$
Molecular Weight: 354.5

Test	Specification	Result
Appearance	White to slightly yellowish crystalline powder	Complies
Assay (HPLC)	95.0-102.5% (as dry basis)	99.4%
Identification (HPLC)	Conforms to structure	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Residue on Ignition	$\leq 0.5\%$	0.31%
Specific Rotation	-60° to -70° (anhydrous substance)	-64.1°
Related Substances	Impurity A $\leq 1.5\%$ Impurity B $< 0.5\%$ Any other unknown impurity $\leq 0.9\%$ Total impurities $\leq 1.5\%$	0.36% 0.12% 0.04% 0.52%
Water Content	$\leq 0.5\%$	0.22%

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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