



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-201213
Lot Number: SAMPLE
Product Name: PGA1 (Prostaglandin A1)
CAS Number: 14152-28-4
Molecular Formula: $C_{20}H_{32}O_4$
Molecular Weight: 336.5

Test	Specification	Result
Identification (Infrared Spectrum)	Consistent with standard	Complies
Identification (Mass Spectrometry - ESI)	MH+: 335.5 -H ₂ O: 317.5 -H ₂ O, CO ₂ : 273.5 -CH ₃ (CH ₂) ₄ CHO: 235.5	MH+: 335.3 -H ₂ O: 317.5 -H ₂ O, CO ₂ : 273.3 -CH ₃ (CH ₂) ₄ CHO: 235.2
Purity (HPLC)	> 98%	98.9% Retention Time Actual.: 9.20 min
Purity (TLC)	> 98%	100.00% R _f = 0.36
Melting Point	38 - 48 °C	46 - 47 °C
λ_{max}	216 nm	218 nm

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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