



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-234880
Lot Number: SAMPLE
Product Name: Estrone 3-sulfate potassium salt
CAS Number: 1240-04-6
Molecular Formula: $C_{18}H_{21}O_5SK$
Molecular Weight: 388.52

Test	Specification	Result
Appearance	White to faint yellow powder	White powder
Identification (1H -NMR)	Complies with structure	Complies
Purity (TLC)	$\geq 98\%$	99.0 %
Solubility	Clear colorless to faint yellow solution at 10 mg/ml in MeOHnm	Clear Colorless
UV/Visible Spectrum	EMM = 0.4 to 0.6 at λ_{max} 269 - 271 nm in MeOH	EMM = 0.51 at λ_{max} 270 nm
Carbon	47.0 - 50.5 %	47.9 %
Nitrogen	3.5 - 5.0 %	4.9 %
Tris	25 - 45 %	37.3 % by NMR
Water Content (KF)		3.44 %

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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