



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215038
Lot Number: SAMPLE
Product Name: Flavianic acid
CAS Number: 483-84-1
Molecular Formula: $C_{10}H_6N_2O_8S$
Molecular Weight: 314.23

Test	Specification	Result
Appearance	Yellow Powder or Crystalline Powder	Yellow Powder
TLC	Consistent with 97% Purity	Consistent with 97% Listing
Solubility	0.1 % in H ₂ O; clear to slightly hazy, yellow	0.1 %, H ₂ O; clear dark yellow solution
Infrared Spectrum	Conforms to Structure	Complies
UV/Visible Spectrum	C = 0.01 G/L in H ₂ O E(428 +/- 3NM) = 14,000 (minimum) E(390 +/- 3NM) = 14,000 (minimum) E(257 +/- 3NM) = 13,000 (minimum) E(222 +/- 3NM) = 18,000 (minimum)	0.01 G/L, H ₂ O E428=14,500 E393=14,200 E257=13,600 E223=20,200
Titration	96.5 % - 103.5 % (with NaOH) corrected for H ₂ O	103.3 % (with NaOH) (dry basis)
Titration	15 % H ₂ O (maximum)	11.7 % H ₂ O

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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