



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214489
Lot Number: SAMPLE
Product Name: Acriflavine
CAS Number: 8048-52-0
Molecular Formula: $C_{14}H_{14}ClN_3$
Molecular Weight: 259.73

Test	Specification	Result
Appearance	Orange to red-brown powder	Orange-red powder
Identification		Passes test
Solubility	Clear orange solution (50 mg/mL in water)	Complies
Water Insoluble Matter	$\leq 0.5\%$	0.11%
UV/Visible Spectrum	$E(462 \pm 3nm) \geq 48,000$ $E(262 \pm 3nm) \geq 50,000$ (c = 0.004 g/L in methanol)	$E(462 \pm 3nm) = 53,800$ $E(262 \pm 3nm) = 58,500$
Loss on Drying	$\leq 8.0\%$	5.45% (105°C/1hr)
Arsenic	≤ 10 ppm	4 ppm
Chloride	13.3 - 15.8%	13.80% (Assay, dried at 105°C for 2 hrs)
Sulfated Ash	$\leq 3.5\%$	2.58%

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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