



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-358883
Lot Number: SAMPLE
Product Name: FluoroGold™
CAS Number: 223769-64-0
Molecular Formula: $C_{16}H_{16}N_4O_2CH_4O_3S$
Molecular Weight: 472.54

Test	Specification	Result
Appearance	golden-yellow, hygroscopic, crystalline powder	Bright-yellow powder
Assay	95.0 - 105.0%	99.2%
pH	4.0-5.5 (1% solution at 25°C)	4.6
Solution	20 ml of a 5% w/v aqueous solution should be clean, clear and almost free from suspended matter, and should have not more than a very slight odor	Complies
Heavy Metals	≤ 10 ppm	< 10 ppm
Loss on Drying	≤ 1.0% (3 hours in vacuo at 60°C)	0.1%
Chloride	≤ 0.035%	0.017%
Selenium	≤ 30 ppm	< 10 ppm
Sulfate	≤ 0.1%	< 0.05%
Sulfated Ash	≤ 0.1%	Negligible

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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