



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-204744
Lot Number: SAMPLE
Product Name: Esculin
CAS Number: 531-75-9
Molecular Formula: $C_{15}H_{16}O_9$
Molecular Weight: 340.28

Test	Specification	Result
Appearance (Color)	White to off-white	White
Appearance (Form)	Crystalline powder	Complies
Identification (FTIR)	Consistent with reference	Complies
Identification (TLC)	Consistent with reference	Complies
Purity (UV)	98.0 - 102.0%	100.5%
Solution (Color)	Blue fluorescent	Complies
Solution (Turbidity)	≤ 2.0 NTU	1.8 NTU
Specific Rotation ($\alpha_{20/D}$)	- 88.0 - -84.0°	- 85.4°
Heavy Metals (Pb)	≤ 20 mg/kg	< 20 mg/kg
Sulfated Ash	$\leq 0.1\%$	0.1%
Water Content (KF)	6.4 - 8.4%	7.5%

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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