



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-224822
Lot Number: SAMPLE
Product Name: 1-Pyrenesulfonic acid
CAS Number: 26651-23-0
Molecular Formula: $C_{16}H_{10}O_3S$
Molecular Weight: 282.31

Test	Specification	Result
Appearance	Faint green to green and faint brown to brown and faint grey to grey powder or crystals or chunk(s)	Green powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 95\%$	98%
Solubility	Clear to slightly hazy and yellow to dark yellow and green to dark green and brown to dark brown and yellow-brown and green-brown solution at 25 mg/ml in dimethyl sulfoxide	Slightly hazy and dark brown solution at 25 mg/ml in dimethyl sulfoxide
Carbon Content	64.0 - 72.2%	67.3% (calculated on dry substance)
Water Content	$\geq 3.1\%$	18.3%

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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