



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214255
Lot Number: SAMPLE
Product Name: 4-Methylumbelliferone sodium salt
CAS Number: 5980-33-6
Molecular Formula: $C_{10}H_7O_3 \cdot Na$
Molecular Weight: 198.15

Test	Specification	Result
Appearance	Faint yellow to yellow powder	Yellow powder
Identification (1H-NMR)	Conforms to structure	Conforms
Purity (HPLC)	$\geq 98\%$	100%
Solubility	Light yellow to dark yellow and light green-yellow to dark green-yellow, clear solution (50 mg/mL in water)	Dark green-yellow clear solution
Carbon Content	59.4 - 61.8% (anhydrous basis)	60.4%
Sodium (ICP)	11.0 - 12.2% (Anhydrous basis)	11.2%
Water Content	$\leq 9\%$	8.7%

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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